2012
LG LED LIGHTING

LG
Life's Good

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LG
Life's Good

LG LIGHTING

LG Electronics is the only brand that provides comprehensive solutions to vitalize you and your business at less cost of the natural environment.

Create optimal environments for people to live, work and relax.
Provide effective solutions for customers as a trusted partner.
Coexist with nature through sustainability.

LG LIGHTING brightens your future with innovative technology.

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LG GREEN INNOVATION

LG Lighting enriches your future
by providing Green technology.

In today's modern world, optimal living often comes at the expense of causing harm to the environment. Yet our health and well-being are two values that should never be compromised.

In order to achieve a balance between these two needs, LG Lighting provides products and solutions for those who seek comfortable lives in a more innovative and greener way.

LG Lighting remains committed to providing reliable and energy-efficient solutions for both your family and business so that you can live in a better environment without hurting Mother Nature.

Thanks to our innovative technology, our lighting solutions are safe to use for your home and deliver cost-effective solutions for your office environment.

At LG, we provide ourselves in protecting the planet.
From production to disposal, we use eco-friendly resources and components only to ensure our products keep the Earth green for next generations.

CO_2 Emission Reduction | Energy Efficiency Enhancement | Resource Recyclability | Energy Management Solution

LG HISTORY OF INNOVATION

LG's consistent efforts in innovation have made LG Air Conditioning and Energy Solution a true global leader in HVAC businesses.

LG Brand Power

1958 — Founded as GoldStar

1968 — Manufactured Korea's first air conditioner

1990 — Produced first rotary compressor

1995 — Changed company name to LG Electronics

1998 — Produced Korea's first commercial air conditioner

2000 — Became global leading seller of residential air conditioners

Developed the solution for world's first internet-enabled refrigerator

2001 — Introduced world first picture frame air conditioner

2002 — Launched LG HomNet Brand

Introduced world first two-in-one air conditioner

2004 — Achieved world's highest annual sales in air conditioners of 10 million units

2008 — Reached total global sales of 100 million air conditioner units for the first time in the industry

LG Air conditioning and Energy solution(AE) was formed as a part of LG's strategic plans to expand its business horizons to the B2B sector, reinforcing its presence in the commercial products and solutions businesses.

Based on its great success in the consumer market, the new Air conditioning and Energy solution company allows LG to become more competitive in the commercial heating, ventilating, air conditioning(HVAC) and energy businesses worldwide. It also offers cost-efficient and eco-friendly solutions for HVAC and energy.

Through its relentless efforts in innovative and development, LG AE company continuously consolidates its leadership as a global HVAC and energy solution company.

LG AE company is committed to vitalizing the consumers' lives by enriching their living environment with eco-friendly energy solutions, as displayed in the company's brand promise, "Vitalizing you and your environment". To that end, LG AE company lays an emphasis on the clean and efficient technology, Light-Emitting Diode(LED), as an engine for future growth in LG AE company.

INNOVATION IN LG LIGHTING

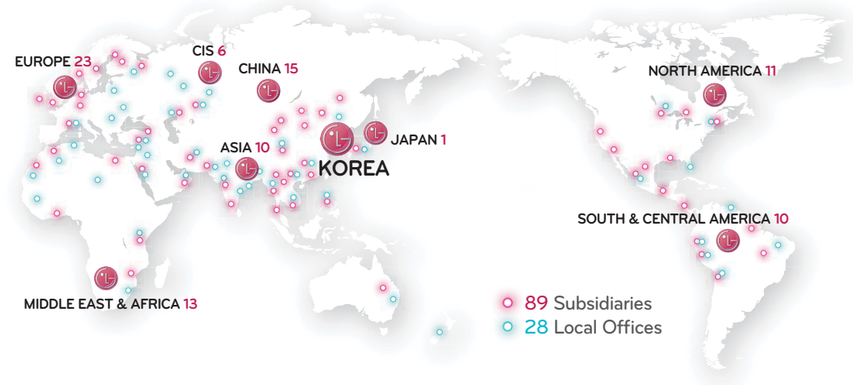
LG has integrated the entire value chain and invested more than one billion dollars to construct production facilities with a capacity of over 200 million LED chips, including an advanced production system which enables a mass production of 6-inch wafers.

As one of the renowned electronics companies, LG also provides lighting control and management solution integrated with building's equipment such as air conditioning, heating and electricity. This makes it possible to monitor and optimize overall energy consumption of a building.

With a passion for uncompromising quality, LG's highly acclaimed technologies and fully integrated business approach have enabled advancements in reducing manufacturing costs while increasing the product quality of LEDs.

This achievement clearly shows how LG AE company has been positioned to become one of the top energy solution companies and lighting innovations in the world.

Global R&D centers & sales network (117 Global Operations)



Vertical Integration of Value Chains

Upstream			Midstream		Downstream		
Wafer	Chip	Package	Module	Engine	Fixture	System	Service

Full value chains coverage of LG enables economies of scale and technology leadership for cost reduction and product quality improvement.

Global leader in production capacity

LG has set up production facilities with world-leading capacity of LED chips and 6-inch wafers.

Proven technology and design ability

UL / TÜV Rheinland approval laboratory in LED lighting

Design excellence recognized by prestigious awards

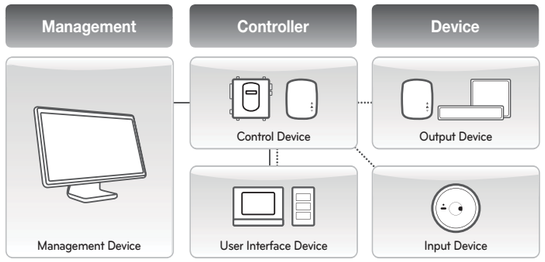
International Forum Design · GOOD DESIGN · reddot design award

Strict quality control

Testing labs are equipped with certified equipments and facilities to ensure product reliability and leading technology.

Lighting solution integrated total energy management

- Additional energy saving with illuminance sensor and dimming control.
- Provide total solution connected with HVAC system.



LAMP

012
LG LED PAR LAMP
PAR16 (3.5W / 7W)
PAR30 (13W)

018
LG LED MR16 LAMP
4.4W / 6W / 6.6W

022
LG LED BULB
BULB (7.5W / 12.8W / 14W)
CANDLE (2W)

028
LG LED TUBE
22W (1,200mm)
24W (1,500mm)

LG LED PAR LAMP

EXCELLENT ALTERNATIVE

High light output and high CRI for better presentation of exhibits (PAR16 7W 2700K: 47lm/W, 83Ra). Neither light flickering, nor hazardous wavelengths that deteriorate exhibits.

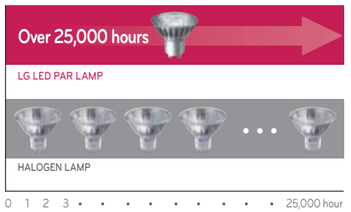
HALOGEN LAMP　　LG LED PAR LAMP

SAVE ENERGY

Significant energy saving up to 80% through simple replacement compared to conventional halogen lamp.

LONG LASTING

Built with reliability in mind, enjoy substantially longer life and reduced cost. Once installed, the product operates for over 25,000 hours.



EXCELLENT COMPATIBILITY

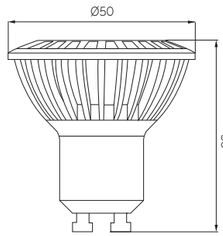
Excellent replacement of conventional halogen lamp with perfect-fit dimension.

LG LED PAR lamp is the perfect solution for a sensible interior decoration. Perfect decorative lighting for department stores, racks, hotels, corridors, stairways, cafes, and small shops.

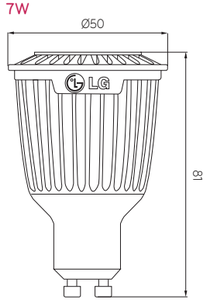
LG LED PAR16

3.5W
(25W Replacement)
7W
(50W Replacement)

3.5W



7W

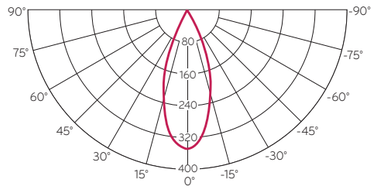
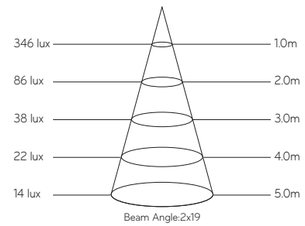
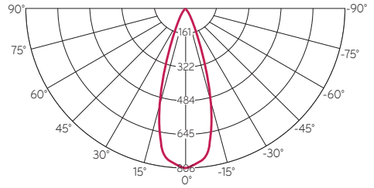
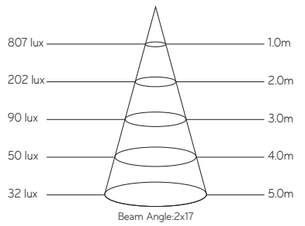
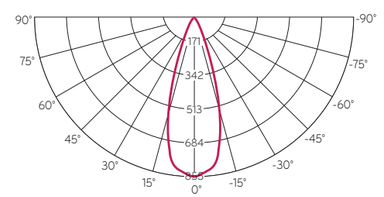
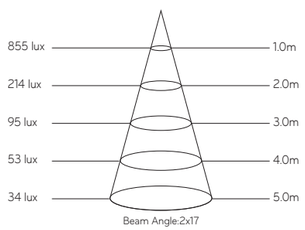


MODEL.NO		LP04N830C0Z	P1607CC0GD1	P1607CC3GD1
POWER	W	3.5	7	7
LUMINOUS FLUX	lm	165	330	350
CCT	K	3,000	2,700	4,000
CBCP	cd	350	803	840
CRI	Ra	80	83	83
BEAM ANGLE	°	38	35	35
DIMMING	-	X	O	O
LIFETIME	hrs	25,000	40,000	40,000
SIZE	ØX(H)	50 X 56	50 X 81	50 X 81
WEIGHT	g	47	129	129
BASE	-	GU10	GU10	GU10
INPUT VOLTAGE	V/AC	220-240	230	230

*The specifications and certification may be subject to change without prior notice.

PHOTOMETRIC DATA

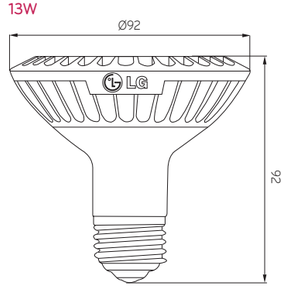
3.5W 7W

Product	Luminance Intensity Distribution	Cone Lux Diagram
3.5W LP04N830C0Z		
7W P1607CC0GD1		
 P1607CC3GD1		

LG LED PAR30

13W
(75W Replacement)

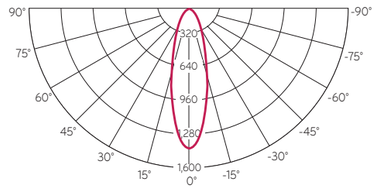
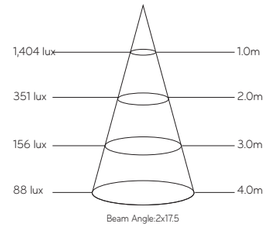
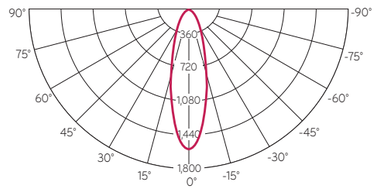
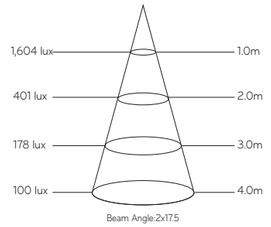
13W



MODEL.NO		P3S13GC0GD1	P3S13GC5GD1
POWER	W	13	13
LUMINOUS FLUX	lm	700	800
CCT	K	2,700	5,000
CBCP	cd	1,320	1,500
BEAM ANGLE	°	35	35
DIMMING	-	O	O
POWER FACTOR	-	≧0.9	≧0.9
LIFETIME	hrs	40,000	40,000
SIZE	ØX(H)	92 X 92	92 X 92
WEIGHT	g	264	264
BASE	-	E27	E27
INPUT VOLTAGE	V/AC	220-240	220-240

*The specifications and certification may be subject to change without prior notice.

PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
13W		
P3S13GC0GD1		
P3S13GC5GD1		

LG LED MR16 LAMP

EXCELLENT ALTERNATIVE

High light output and high CRI for better presentation of exhibits (MR16 6W 2700K: 58lm/W, 83Ra). Neither light flickering, nor hazardous wavelengths that deteriorate exhibits.

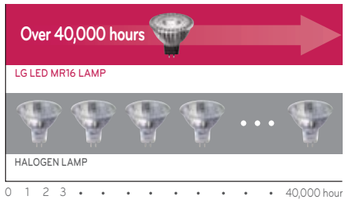
HALOGEN LAMP | LG LED MR16 LAMP

SAVE ENERGY

Significant energy saving up to 80% through simple replacement compared to conventional halogen lamp.

LONG LASTING

Built with reliability in mind, enjoy substantially longer life and reduced cost. Once installed, the product mintains a high performance and operates for over 40,000 hours.



LESS HEAT EMISSION

Replace conventional halogen lamps with LG LED lamps and notice the immediate difference of less heat emission. Installed in display racks, LG LED lamps have no impact on exhibits.

HALOGEN LAMP | LG LED MR16 LAMP

LG LED MR16 provides clean, bright light and creates a very stylish atmosphere. Allow this lamp to show off your space in a whole new light.

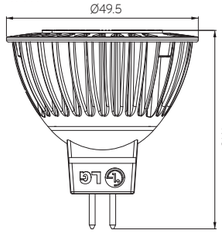
MR16 4.4W

MR16
6W/6.6W

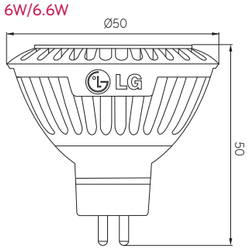
LG LED MR16

4.4W
(20W Replacement)
6W/6.6W
(35W Replacement)

4.4W



6W/6.6W

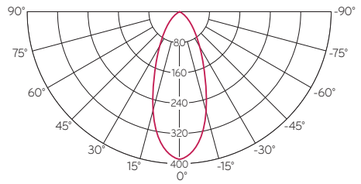
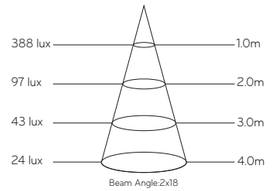
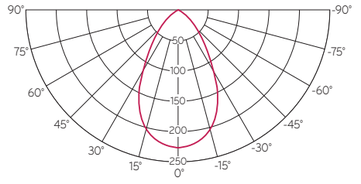
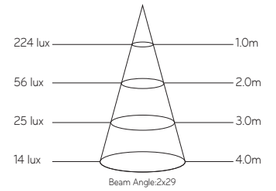
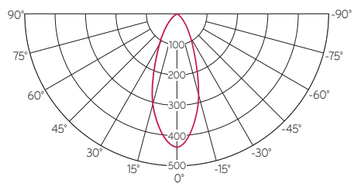
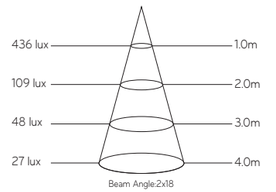
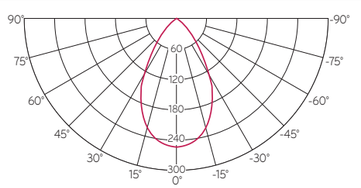
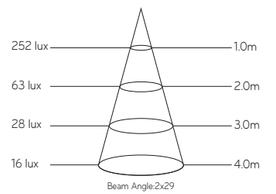
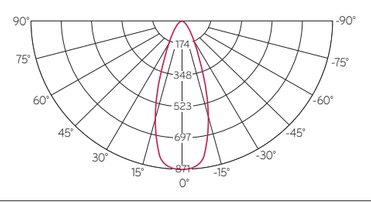
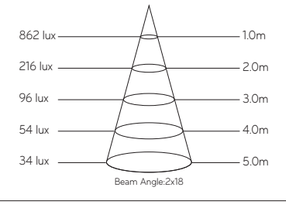
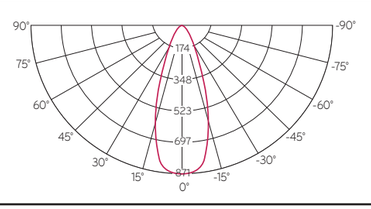
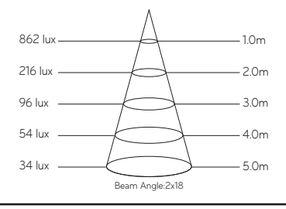


MODEL.NO		LM04M730B0B.D	LM04M730B0B.F	LM04M750B0B.D	LM04M750B0B.F	M1606BC0AD0	M1607BC0AD1
POWER	W	4.4	4.4	4.4	4.4	6	6.6
LUMINOUS FLUX	lm	240	240	270	270	350	350
CCT	K	3,000	3,000	5,000	5,000	2,700	2,700
CBCP	cd	390	220	440	250	870	870
CRI	Ra	75	75	75	75	83	83
BEAM ANGLE	°	36	60	36	60	35	35
DIMMING	-	X	X	X	X	X	O
LIFETIME	hrs	45,000	45,000	45,000	45,000	40,000	40,000
SIZE	ØX(H)	49.5 X 49.6	49.5 X 49.6	49.5 X 49.6	49.5 X 49.6	50 X 50	50 X 50
WEIGHT	g	48	48	48	48	47	50
BASE	-	GU5.3	GU5.3	GU5.3	GU5.3	GU5.3	GU5.3
INPUT VOLTAGE	V/DC	12	12	12	12	12	12

*The specifications and certification may be subject to change without prior notice.

PHOTOMETRIC DATA

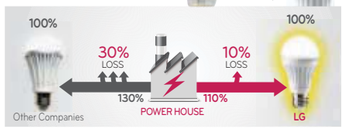
4.4W 6W/6.6W

Product	Luminance Intensity Distribution	Cone Lux Diagram
4.4W LM04M730B0B.D		
 LM04M730B0B.F		
 LM04M750B0B.D		
 LM04M750B0B.F		
6W M1606BC0AD0		
6.6W M1607BC0AD1		

LG LED BULB

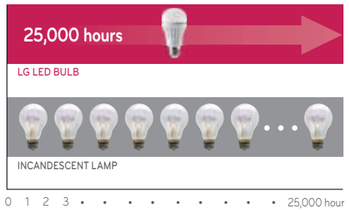
SAVE ENERGY

Save up to 80% energy compared to conventional lamps. With a high power factor (≧0.9), energy utilization is highly improved, significantly reducing excessive energy loss.



LONG LASTING

Built with reliability in mind, enjoy substantially longer life and reduced cost. Once installed, the product operates for 25,000 hours. Suitable for places difficult to access.



NATURAL LIGHT

Provide your family with healthy and natural light. No need to worry about the unpleasant glaring and eye fatigue caused by flickering.

INCANDESCENT LAMP LG LED BULB

EXCELLENT COMPATIBILITY

Rest assured that LG LED bulbs comply with all the toughest standards and are perfect incandescent bulb replacement.

Make full use of LG LED BULB anywhere including the front door, bedroom, kitchen and bathroom. LG LED Lamp will simply change the light quality of your home.

BULB 7.5W

CANDLE 2W

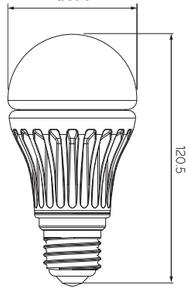
BULB 12.8W

BULB 14W

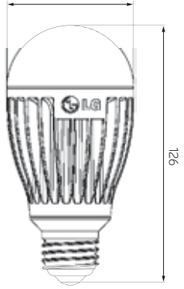
LG LED BULB

7.5W
(40W Replacement)
12.8W
(60W Replacement)

7.5W



12.8W

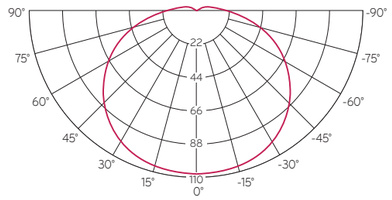
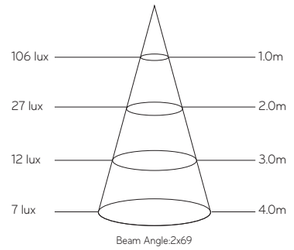
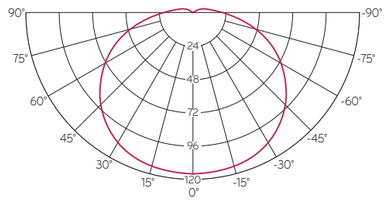
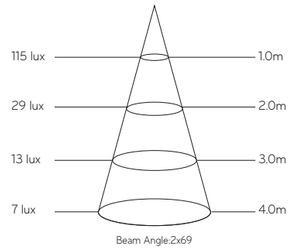
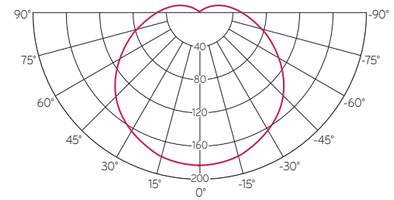
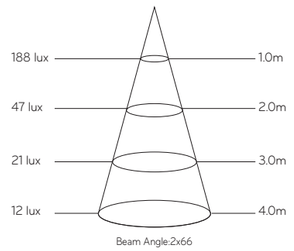
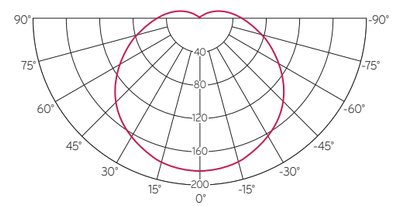
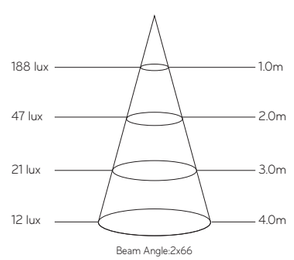


MODEL.NO		LB08E827L0A	LB08E830L0A	A1912GD0GE1	A1912GD1GE1
POWER	W	7.5	7.5	12.8	12.8
LUMINOUS FLUX	lm	450	485	810	810
CCT	K	2,700	3,000	2,700	3,000
CRI	Ra	81	83	83	83
BEAM ANGLE	°	140	140	128	128
DIMMING	-	X	X	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9	≧0.9
LIFETIME	hrs	25,000	25,000	25,000	25,000
SIZE	ØX(H)	60.6 X 120.5	60.6 X 120.5	60 X 126	60 X 126
WEIGHT	g	165	165	230	230
BASE	-	E27	E27	E27	E27
INPUT VOLTAGE	V/AC	220-240	220-240	220-240	220-240

*The specifications and certification may be subject to change without prior notice.

PHOTOMETRIC DATA

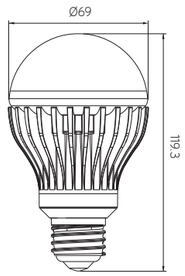
7.5W 12.8W

Product	Luminance Intensity Distribution	Cone Lux Diagram
7.5W LB08E827L0A		 Beam Angle:2x69
 LB08E830L0A		 Beam Angle:2x69
12.8W A1912GD0GE1		 Beam Angle:2x66
 A1912GD1GE1		 Beam Angle:2x66

LG LED BULB

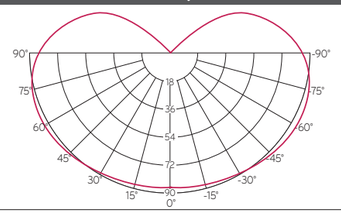
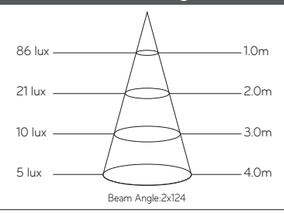
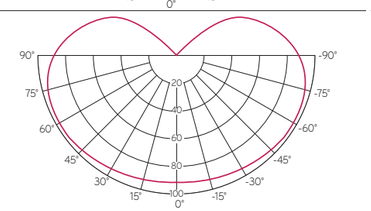
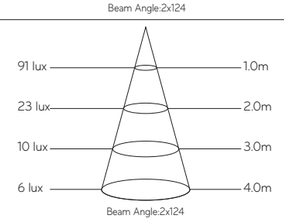
14W
(60W Replacement)

14W



MODEL.NO		A1914GC0GG1	A1914GC1GG1
POWER	W	14	14
LUMINOUS FLUX	lm	850	900
CCT	K	2,700	3,000
CRI	Ra	83	83
BEAM ANGLE	°	250	250
DIMMING	-	O	O
POWER FACTOR	-	≧0.9	≧0.9
LIFETIME	hrs	25,000	25,000
SIZE	ØX(H)	69 X 119.3	69 X 119.3
WEIGHT	g	220	220
BASE	-	E27	E27
INPUT VOLTAGE	V/AC	220-240	220-240

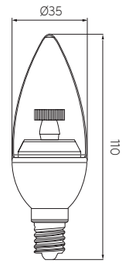
*The specifications and certification may be subject to change without prior notice.

Product	Luminance Intensity Distribution	Cone Lux Diagram
14W A1914GC0GG1		
 A1914GC1GG1		

LG LED CANDLE LAMP

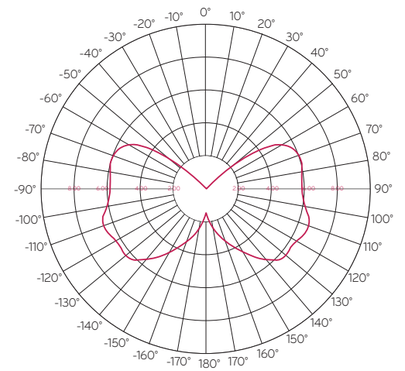
2W
(10W Replacement)

2W



MODEL.NO		LA02B830M0Z
POWER	W	2
LUMINOUS FLUX	lm	60
CCT	K	3,000
CRI	Ra	80
DIMMING	-	X
POWER FACTOR	-	≧0.9
LIFETIME	hrs	20,000
SIZE	ØX(H)	35 X 110
WEIGHT	g	48
BASE	-	E14
INPUT VOLTAGE	V/AC	220-240

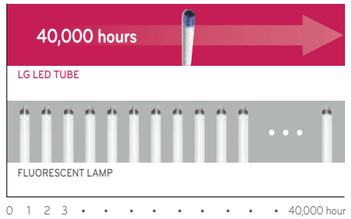
*The specifications and certification may be subject to change without prior notice.

Product	Luminance Intensity Distribution
2W LA02B830M0Z	

LG LED TUBE

LONG LASTING

Built with reliability in mind, enjoy substantially longer life and reduced cost. Once installed, the product operates for 40,000 hours.



INITIAL INVESTMENT

Perfect replacement of conventional fluorescent lamps without any additional cost. Obtain the advantages of energy saving and maintainence cost reduction without investment in new luminaires and installation.

ENVIRONMENTALLY CONSCIOUS

Replacing flourescent lamps with LG LED Tube reduces CO_2 emission which has a similar effect of planting 9 trees.

LG LED TUBE with superior color reproduction is designed as perfect fit for existing luminaires. Suitable for offices, hospitals, department stores, parking lots, and public facilities.

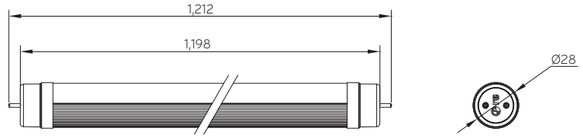
TUBE 22W/24W

LG LED TUBE
(SELF_BALLASTED)

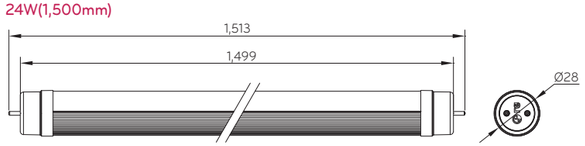
22W(1,200mm)
24W(1,500mm)

22W/24W

22W(1,200mm)



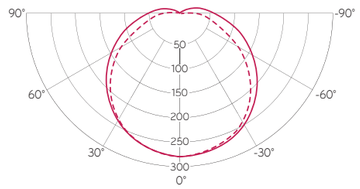
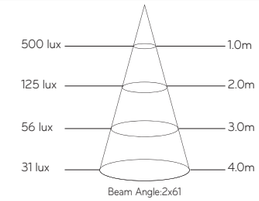
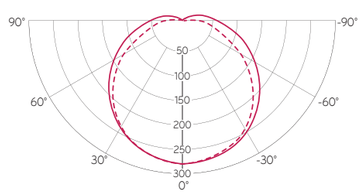
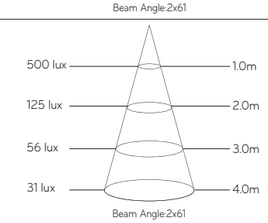
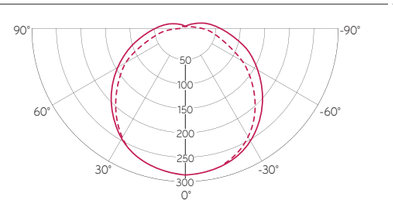
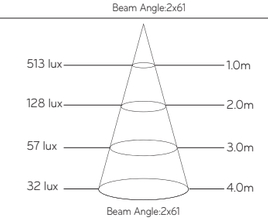
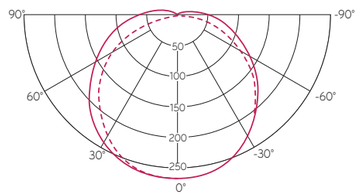
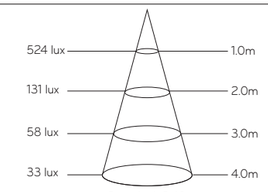
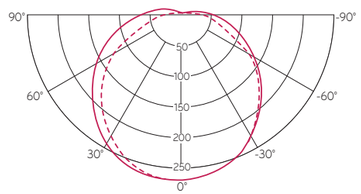
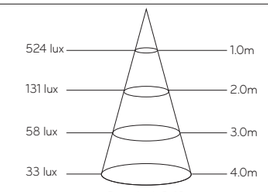
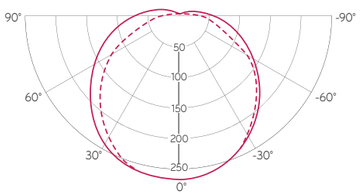
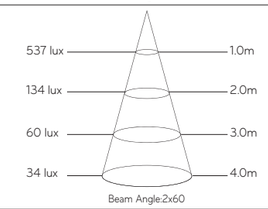
24W(1,500mm)



MODEL.NO		T4B22BD1FEA	T4B22BD3FEA	T4B22BD5FEA	T5B24BD1FEA	T5B24BD3FEA	T5B24BD5FEA
POWER	W	22	22	22	24	24	24
LUMINOUS FLUX	lm	1,750	1,750	1,800	1,950	1,950	2,000
CCT	K	3,000	4,000	5,000	3,000	4,000	5,000
CRI	Ra	83	83	83	83	83	83
BEAM ANGLE	°	120	120	120	120	120	120
DIMMING	-	X	X	X	X	X	X
POWER FACTOR	-	≧0.9	≧0.9	≧0.9	≧0.9	≧0.9	≧0.9
LIFETIME	hrs	40,000	40,000	40,000	40,000	40,000	40,000
SIZE	mm	1,200	1,200	1,200	1,500	1,500	1,500
WEIGHT	g	430	430	430	490	490	490
BASE	-	G13	G13	G13	G13	G13	G13
INPUT VOLTAGE	V/AC	100-240	100-240	100-240	100-240	100-240	100-240

*The specifications and certification may be subject to change without prior notice.

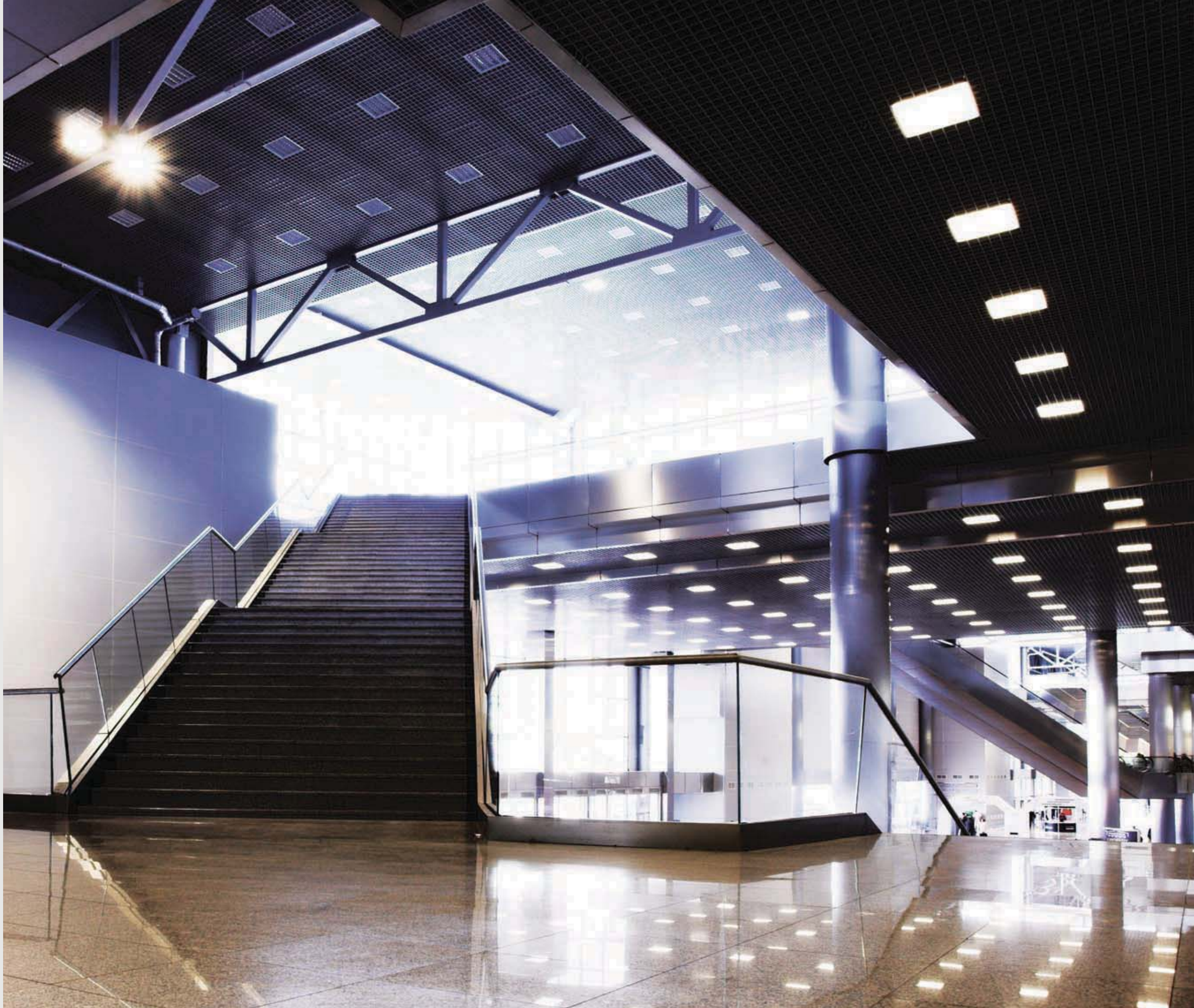
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
22W(1,200mm)		
T4B22BD1FEA		 Beam Angle:2x61
T4B22BD3FEA		 Beam Angle:2x61
T4B22BD5FEA		 Beam Angle:2x61
24W(1,500mm)		
T5B24BD1FEA		 Beam Angle:2x60
T5B24BD3FEA		 Beam Angle:2x60
T5B24BD5FEA		 Beam Angle:2x60

INDOOR LUMINAIRE

034
LG LED DOWNLIGHT
8W
15W
23W
37W

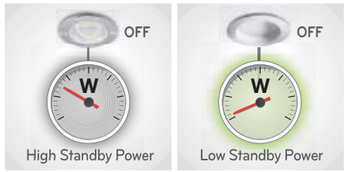
044
LG LED FLAT LIGHT
40W (T-BAR)
40W (M-BAR)
50W (T-BAR)
50W (M-BAR)
53W (T-BAR)
53W (M-BAR)
60W (T-BAR)
60W (M-BAR)



LG LED DOWNLIGHT

SMART SAVING

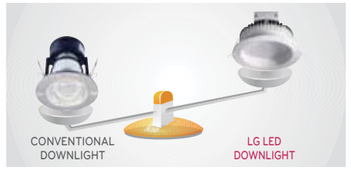
Over 70% of illumination intensity even after 40,000 hours. With smart circuitry, standby power is reduced to under 1W, helping further energy saving.



CONVENTIONAL DOWNLIGHT | LG LED DOWNLIGHT

LIGHT WEIGHT

Easy to handle and install with an optimized light weight design.



CONVENTIONAL DOWNLIGHT | LG LED DOWNLIGHT

NATURAL LIGHT

No flickering, and no unpleasant glaring to harm your eyesight.

CONVENTIONAL DOWNLIGHT | LG LED DOWNLIGHT

EXCELLENT COMPATIBILITY

The same dimensions as conventional Downlight allowing excellent compatibility.

CONVENTIONAL DOWNLIGHT | LG LED DOWNLIGHT

With LG LED DOWNLIGHT create a whole new look and feel for your space with our lighting solutions. Suitable for shops, offices, department stores, theaters, and studios.

DOWNLIGHT 8W

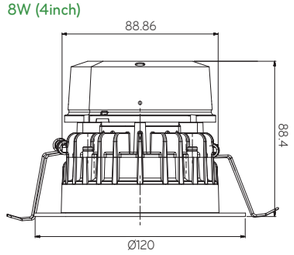
DOWNLIGHT 15W/23W

DOWNLIGHT 37W

LG LED DOWNLIGHT

8W (4inch)

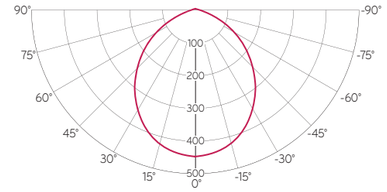
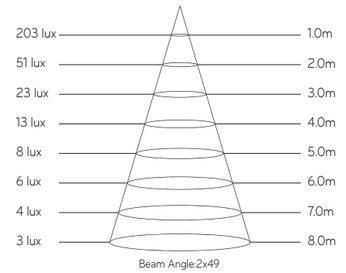
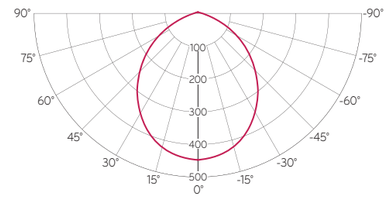
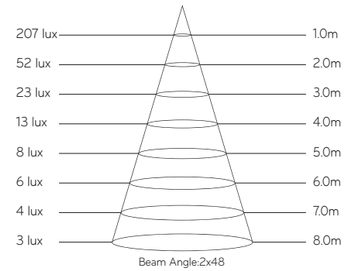
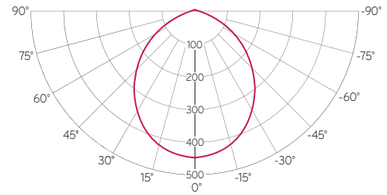
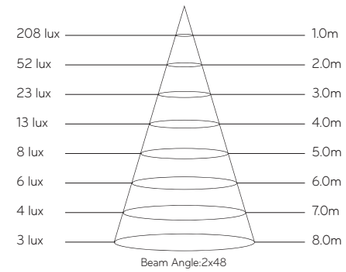
8W (4inch)



MODEL.NO		D4A0081EDF0	D4A0083EDF0	D4A0085EDF0
POWER	W	8	8	8
LUMINOUS FLUX	lm	460	470	470
CCT	K	3,000	4,000	5,000
CRI	Ra	80	80	80
BEAM ANGLE	°	100	100	100
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
LIFE TIME	hrs	40,000	40,000	40,000
SIZE	ØX(H)	120 X 88	120 X 88	120 X 88
WEIGHT	g	358	358	358
INPUT VOLTAGE	V/AC	100-240	100-240	100-240

*The specifications and certification may be subject to change without prior notice.

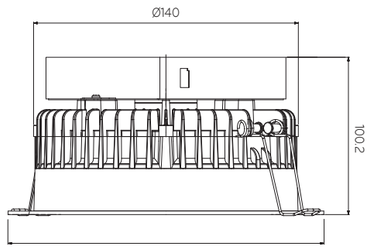
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
8W(4inch) D4A0081EDF0		
 D4A0083EDF0		
 D4A0085EDF0		

LG LED DOWNLIGHT

15W (6inch)

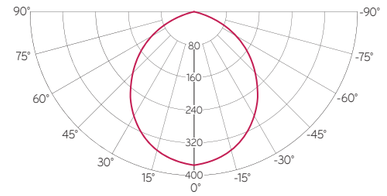
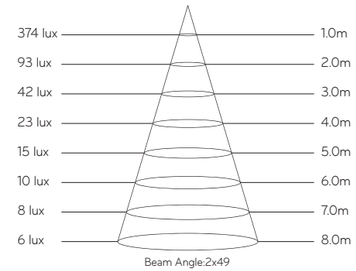
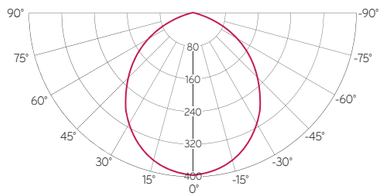
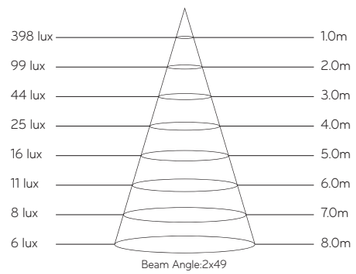
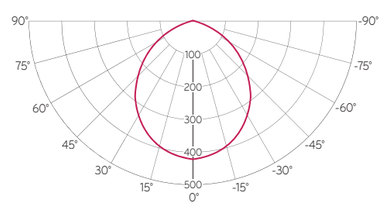
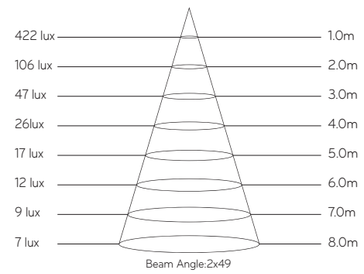
15W (6inch)



MODEL.NO		D6A0151EDF0	D6A0153EDF0	D6A0155EDF0
POWER	W	15	15	15
LUMINOUS FLUX	lm	880	930	990
CCT	K	3,000	4,000	5,000
CRI	Ra	80	80	80
BEAM ANGLE	°	100	100	100
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
LIFE TIME	hrs	40,000	40,000	40,000
SIZE	ØX(H)	180 X 100	180 X 100	180 X 100
WEIGHT	g	730	730	730
INPUT VOLTAGE	V/AC	100-240	100-240	100-240

*The specifications and certification may be subject to change without prior notice.

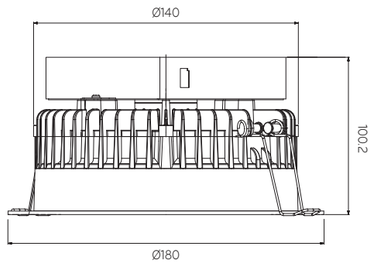
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
15W(6inch) D6A0151EDF0		
 D6A0153EDF0		
 D6A0155EDF0		

LG LED DOWNLIGHT

23W (6inch)

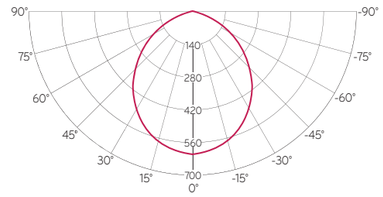
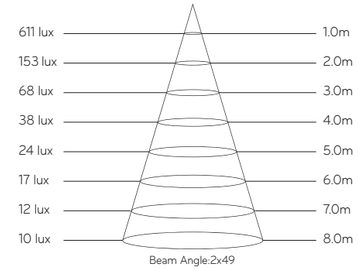
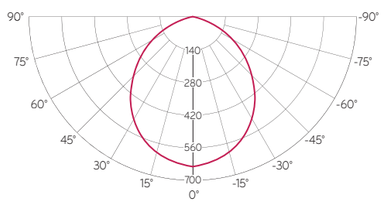
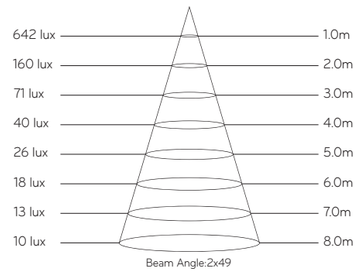
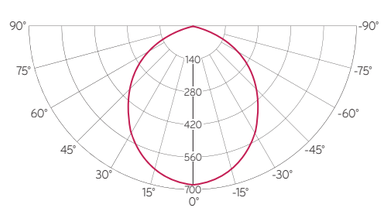
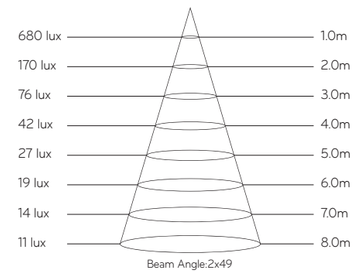
23W (6inch)



MODEL.NO		D6A0231EDF0	D6A0233EDF0	D6A0235EDF0
POWER	W	23	23	23
LUMINOUS FLUX	lm	1,430	1,500	1,580
CCT	K	3,000	4,000	5,000
CRI	Ra	80	80	80
BEAM ANGLE	°	100	100	100
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
LIFE TIME	hrs	40,000	40,000	40,000
SIZE	ØX(H)	180 X 100	180 X 100	180 X 100
WEIGHT	g	750	750	750
INPUT VOLTAGE	V/AC	100-240	100-240	100-240

*The specifications and certification may be subject to change without prior notice.

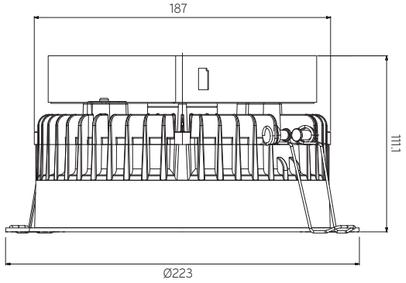
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
23W(6inch) D6A0231EDF0		
 D6A0233EDF0		
 D6A0235EDF0		

LG LED DOWNLIGHT

37W (8inch)

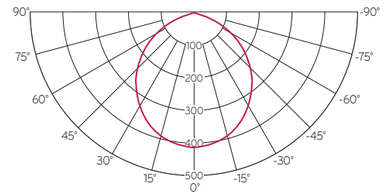
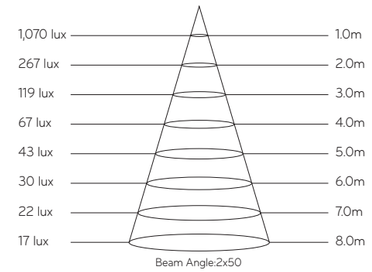
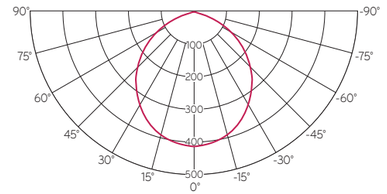
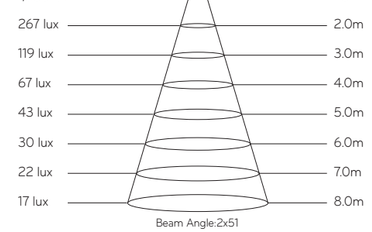
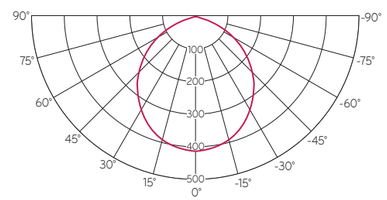
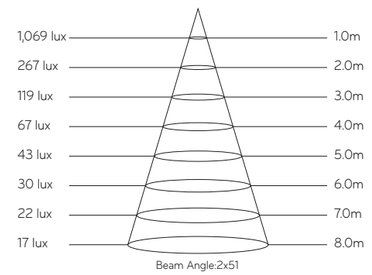
37W (8inch)



MODEL.NO		D8A0371EDF0	D8A0373EDF0	D8A0375EDF0
POWER	W	37	37	37
LUMINOUS FLUX	lm	2,500	2,600	2,600
CCT	K	3,000	4,000	5,000
CRI	Ra	80	80	80
BEAM ANGLE	°	100	100	100
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
LIFE TIME	hrs	40,000	40,000	40,000
SIZE	ØX(H)	223 X 111	223 X 111	223 X 111
WEIGHT	g	1,360	1,360	1,360
INPUT VOLTAGE	V/AC	100-240	100-240	100-240

*The specifications and certification may be subject to change without prior notice.

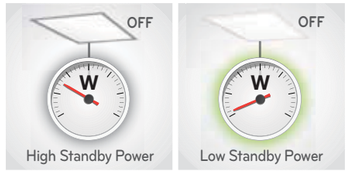
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
37W(8inch) D8A0371EDF0		
 D8A0373EDF0		
 D8A0375EDF0		

LG LED FLAT LIGHT

SMART SAVING

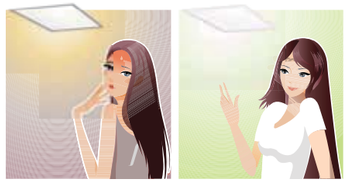
Over 70% of illumination intensity even after 50,000 hours. With smart circuitry, standby power is reduced to under 1W, helping further energy saving.



FLUORESCENT LAMP | LG LED FLAT LIGHT

LOW GLARE

Optimum light source with UGR19 providing low glare and uniform distribution light. Perfectly suitable for office lighting.



FLUORESCENT LAMP | LG LED FLAT LIGHT

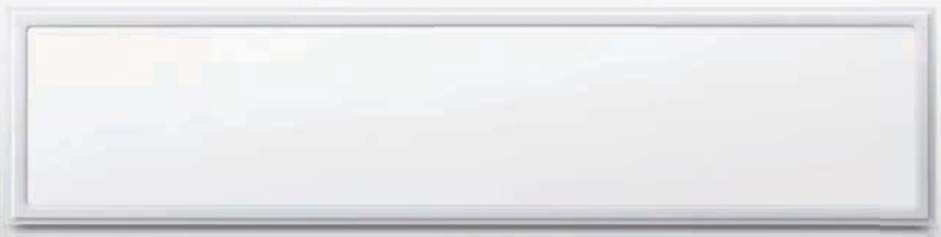
ENVIRONMENTALLY CONSCIOUS

Replacing your existing luminaires with LG Flat Light reduces CO_2 emission which has a similar effect of planting 17 trees.

From interior design to living convenience, LG LED FLAT LIGHT brightens your living and working space. LED Flat Light offers the most economic and the smartest energy saving solution.

FLAT LIGHT
40W/50W53W/60W

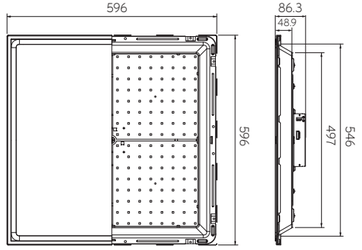
FLAT LIGHT 53W/60W



LG LED FLAT LIGHT

40W
(600X600, T-BAR)

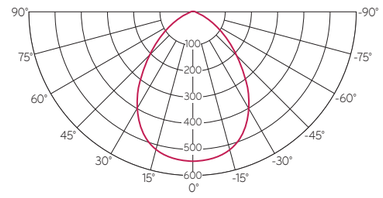
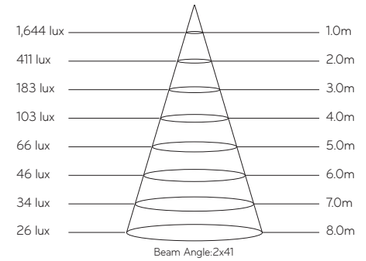
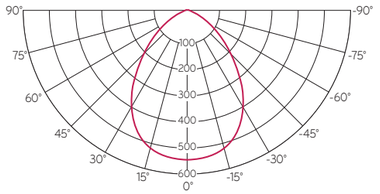
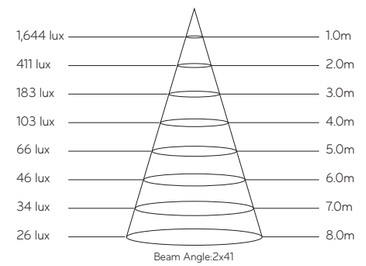
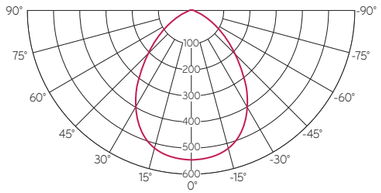
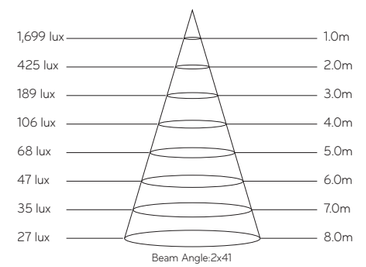
T-BAR



MODEL.NO		FRS640D1F0B	FRS640D3F0B	FRS640D5F0B
POWER	W	40	40	40
LUMINOUS FLUX	lm	3,000	3,000	3,100
CCT	K	3,000	4,000	5,000
CRI	Ra	80	80	80
UGR	-	19	19	19
BEAM ANGLE	°	82	82	82
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20
IK	-	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000
INSTALLATION	-	T-BAR	T-BAR	T-BAR
WEIGHT	kg	4.2	4.2	4.2
INPUT VOLTAGE	V/AC	100-240	100-240	100-240

*The specifications and certification may be subject to change without prior notice.

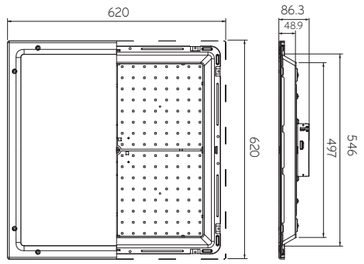
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
40W(T-BAR) FRS640D1F0B		
 FRS640D3F0B		
 FRS640D5F0B		

LG LED FLAT LIGHT

40W
(600X600, M-BAR)

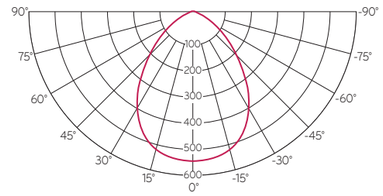
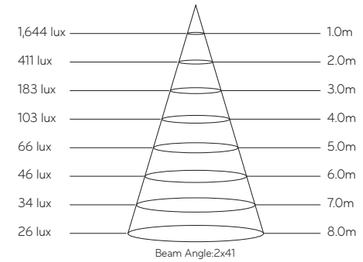
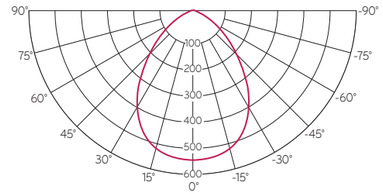
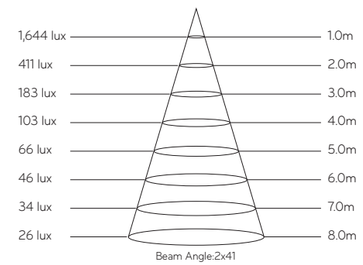
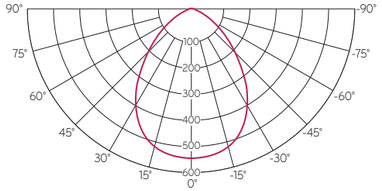
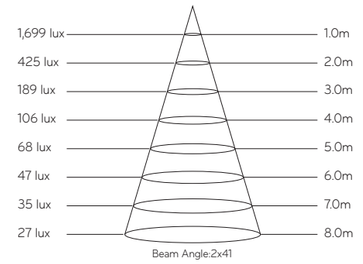
M-BAR



MODEL.NO		FRS640D1F1B	FRS640D3F1B	FRS640D5F1B
POWER	W	40	40	40
LUMINOUS FLUX	lm	3,000	3,000	3,100
CCT	K	3,000	4,000	5,000
CRI	Ra	80	80	80
UGR	-	19	19	19
BEAM ANGLE	°	82	82	82
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20
IK	-	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000
INSTALLATION	-	M-BAR	M-BAR	M-BAR
WEIGHT	kg	4.2	4.2	4.2
INPUT VOLTAGE	V/AC	100-240	100-240	100-240

*The specifications and certification may be subject to change without prior notice.

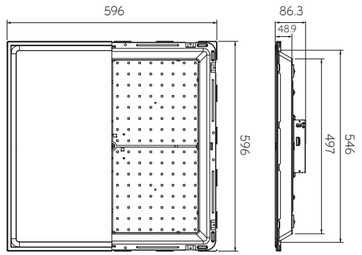
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
40W(M-BAR) FRS640D1F1B		
 FRS640D3F1B		
 FRS640D5F1B		

LG LED FLAT LIGHT

50W
(600X600, T-BAR)

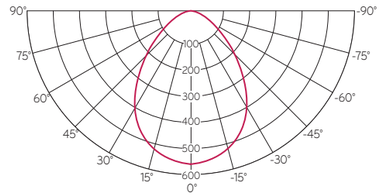
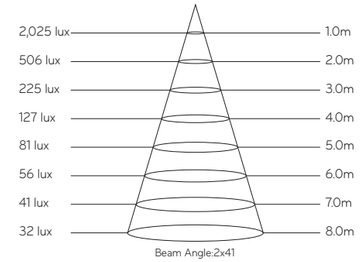
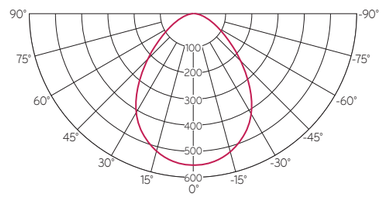
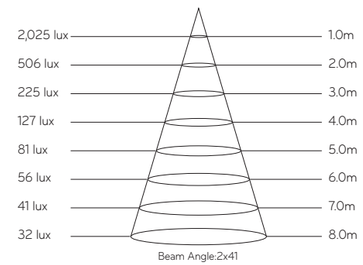
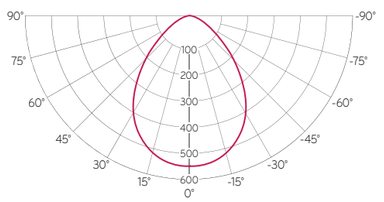
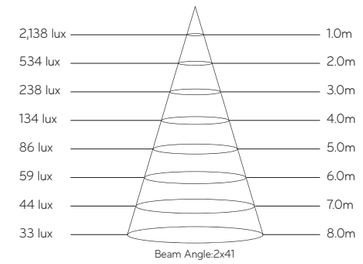
T-BAR



MODEL.NO		FRS650D1F0B	FRS650D3F0B	FRS650D5F0B
POWER	W	50	50	50
LUMINOUS FLUX	lm	3,700	3,700	3,900
CCT	K	3,000	4,000	5,000
CRI	Ra	80	80	80
UGR	-	19	19	19
BEAM ANGLE	°	82	82	82
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20
IK	-	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000
INSTALLATION	-	T-BAR	T-BAR	T-BAR
WEIGHT	kg	4.2	4.2	4.2
INPUT VOLTAGE	V/AC	100-240	100-240	100-240

*The specifications and certification may be subject to change without prior notice.

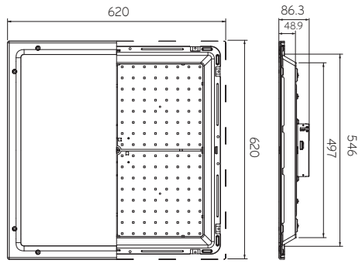
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
50W(T-BAR) FRS650D1F0B		
 FRS650D3F0B		
 FRS650D5F0B		

LG LED FLAT LIGHT

50W
(600X600, M-BAR)

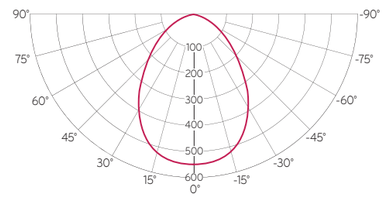
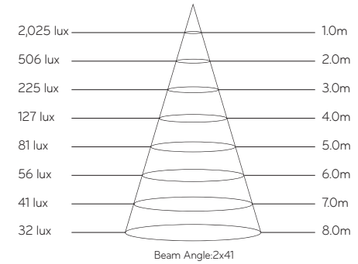
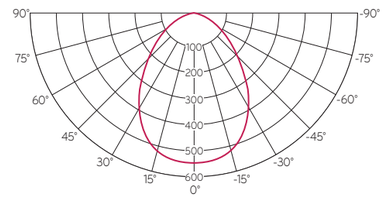
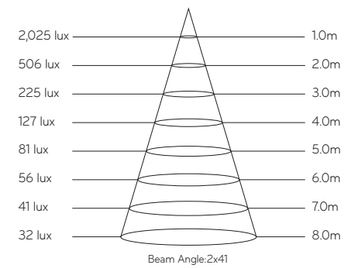
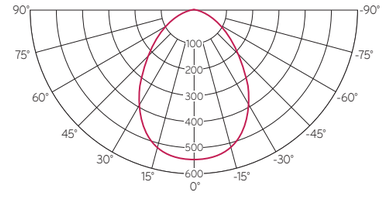
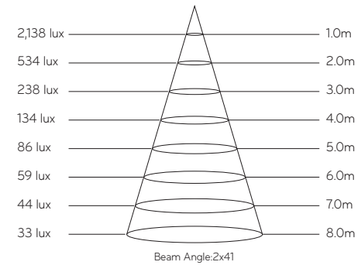
M-BAR



MODEL.NO		FRS650D1F1B	FRS650D3F1B	FRS650D5F1B
POWER	W	50	50	50
LUMINOUS FLUX	lm	3,700	3,700	3,900
CCT	K	3,000	4,000	5,000
CRI	Ra	80	80	80
UGR	-	19	19	19
BEAM ANGLE	°	82	82	82
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20
IK	-	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000
INSTALLATION	-	M-BAR	M-BAR	M-BAR
WEIGHT	kg	4.2	4.2	4.2
INPUT VOLTAGE	V/AC	100-240	100-240	100-240

*The specifications and certification may be subject to change without prior notice.

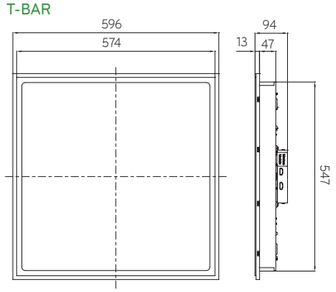
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
50W(M-BAR)		
FRS650D1F1B		
FRS650D3F1B		
FRS650D5F1B		

LG LED FLAT LIGHT

53W
(600X600, T-BAR)

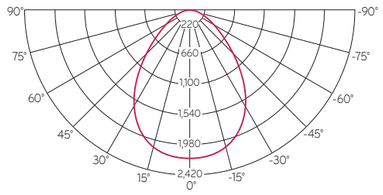
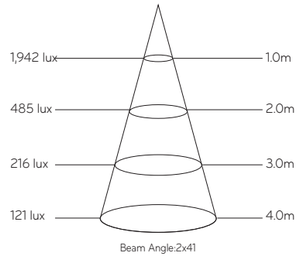
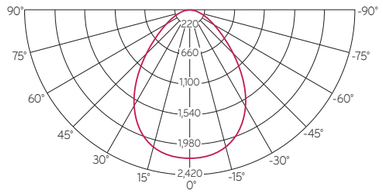
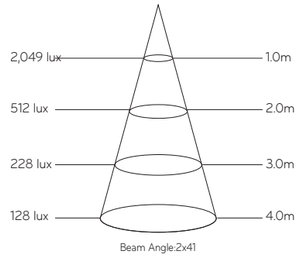
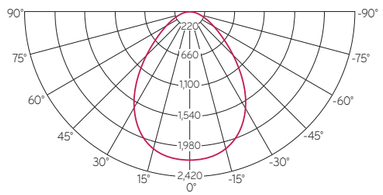
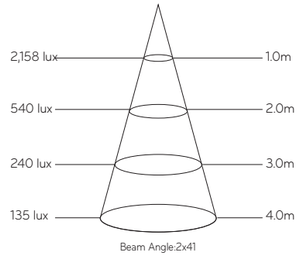
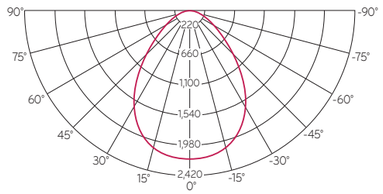
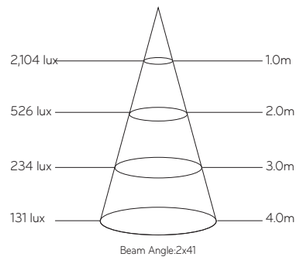
T-BAR



MODEL.NO		LF53073032B	LF53074032B	LF53075032B	LF53075732B
POWER	W	53	53	53	53
LUMINOUS FLUX	lm	3,600	3,800	4,000	3,900
CCT	K	3,000	4,000	5,000	5,700
CRI	Ra	80	80	80	80
UGR	-	19	19	19	19
BEAM ANGLE	°	82	82	82	82
DIMMING	-	O	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20	IP20
IK	-	IK07	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000	50,000
INSTALLATION	-	T-BAR	T-BAR	T-BAR	T-BAR
WEIGHT	kg	5	5	5	5
INPUT VOLTAGE	V/AC	110-240	110-240	110-240	110-240

*The specifications and certification may be subject to change without prior notice.

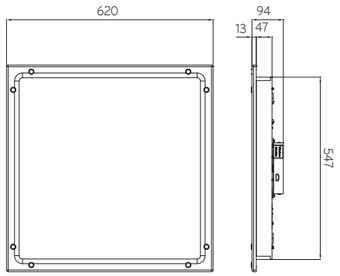
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
53W(T-BAR) LF53073032B		
LF53074032B		
LF53075032B		
LF53075732B		

LG LED FLAT LIGHT

53W
(600X600, M-BAR)

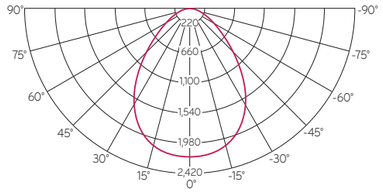
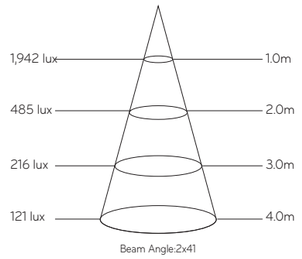
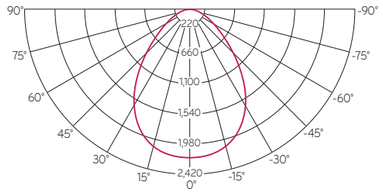
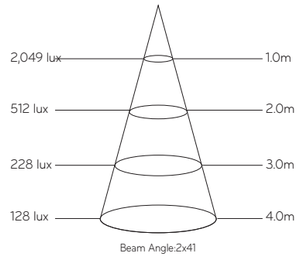
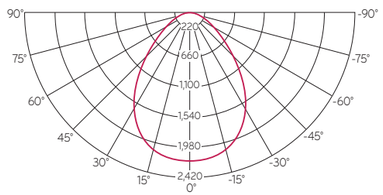
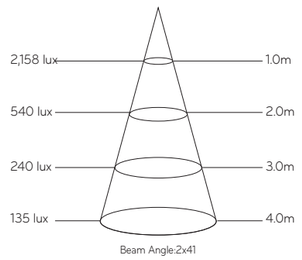
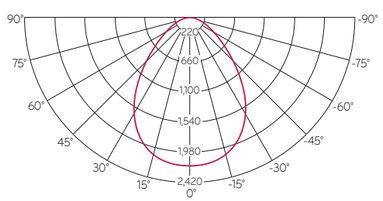
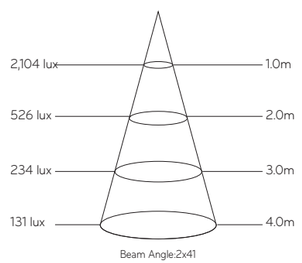
M-BAR



MODEL.NO		LF53173032B	LF53174032B	LF53175032B	LF53175732B
POWER	W	53	53	53	53
LUMINOUS FLUX	lm	3,600	3,800	4,000	3,900
CCT	K	3,000	4,000	5,000	5,700
CRI	Ra	80	80	80	80
UGR	-	19	19	19	19
BEAM ANGLE	°	82	82	82	82
DIMMING	-	O	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20	IP20
IK	-	IK07	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000	50,000
INSTALLATION	-	M-BAR	M-BAR	M-BAR	M-BAR
WEIGHT	kg	5	5	5	5
INPUT VOLTAGE	V/AC	110-240	110-240	110-240	110-240

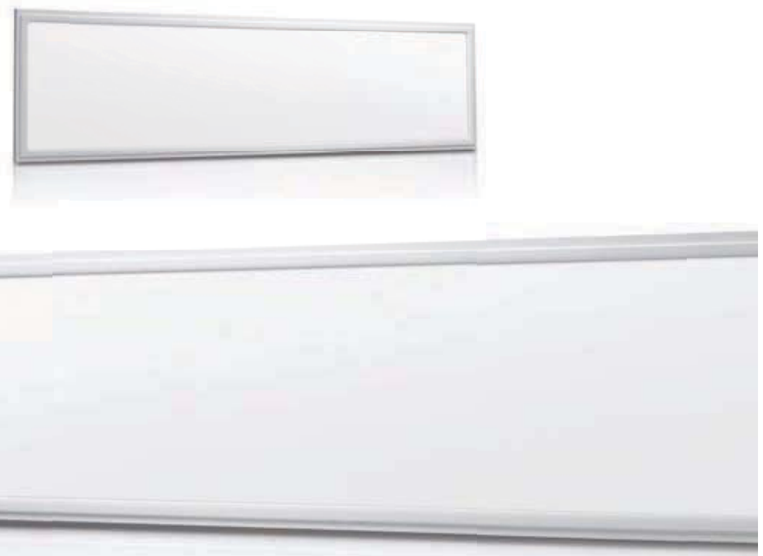
*The specifications and certification may be subject to change without prior notice.

PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
53W(M-BAR) LF53173032B		 Beam Angle:2x41
 LF53174032B		 Beam Angle:2x41
 LF53175032B		 Beam Angle:2x41
 LF53175732B		 Beam Angle:2x41

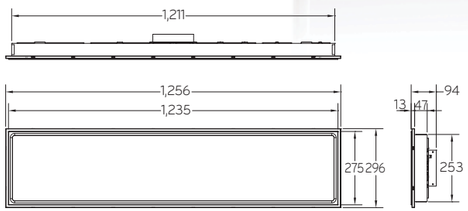
LG LED FLAT LIGHT

53W
(300X1,200, T-BAR)



53W

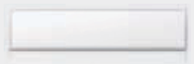
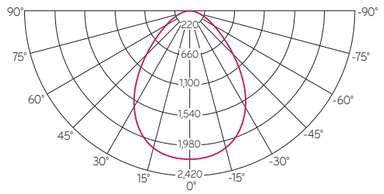
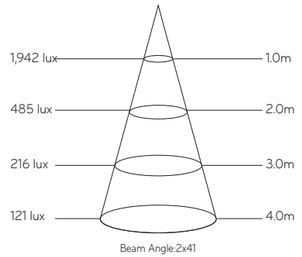
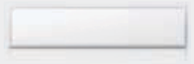
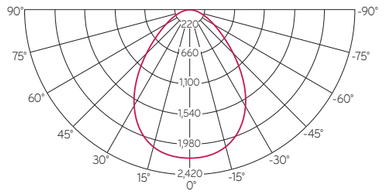
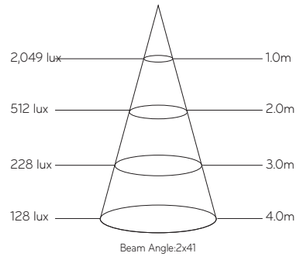
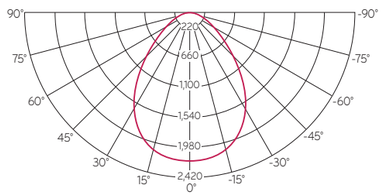
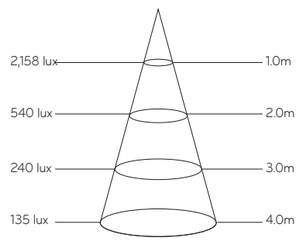
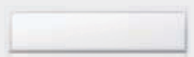
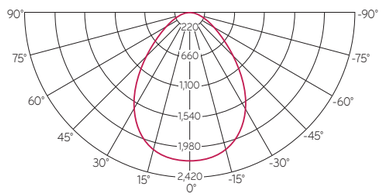
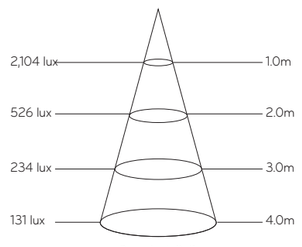
T-BAR



MODEL.NO		LF53073042B	LF53074042B	LF53075042B	LF53075742B
POWER	W	53	53	53	53
LUMINOUS FLUX	lm	3,600	3,800	4,000	3,900
CCT	K	3,000	4,000	5,000	5,700
CRI	Ra	80	80	80	80
UGR	-	19	19	19	19
BEAM ANGLE	°	82	82	82	82
DIMMING	-	O	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20	IP20
IK	-	IK07	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000	50,000
INSTALLATION	-	T-BAR	T-BAR	T-BAR	T-BAR
WEIGHT	kg	5	5	5	5
INPUT VOLTAGE	V/AC	110-240	110-240	110-240	110-240

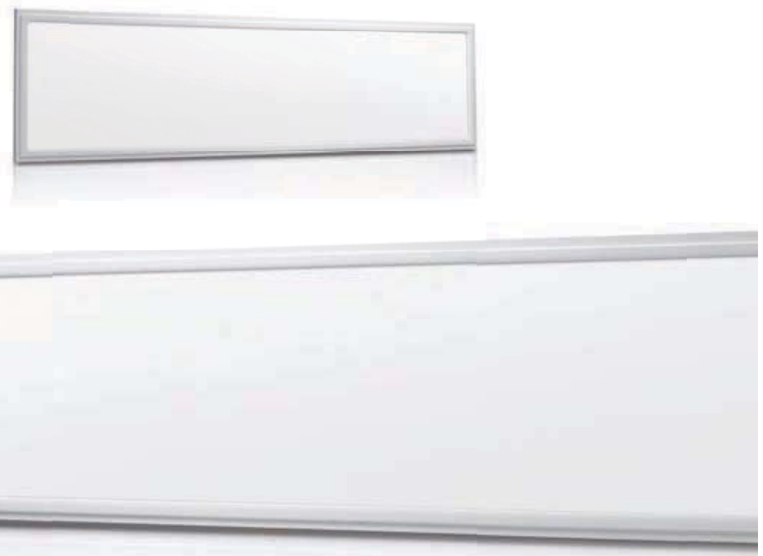
*The specifications and certification may be subject to change without prior notice.

PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
53W(T-BAR)  LF53073042B		 Beam Angle:2x41
 LF53074042B		 Beam Angle:2x41
 LF53075042B		 Beam Angle:2x41
 LF53075742B		 Beam Angle:2x41

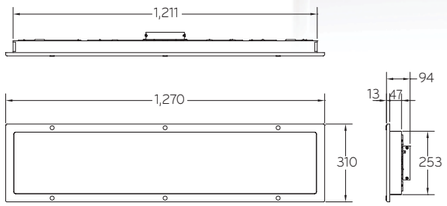
LG LED FLAT LIGHT

53W
(300X1,200, M-BAR)



53W

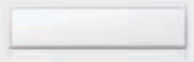
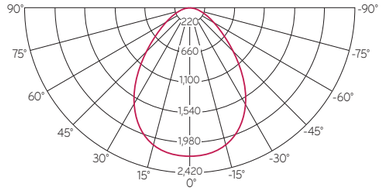
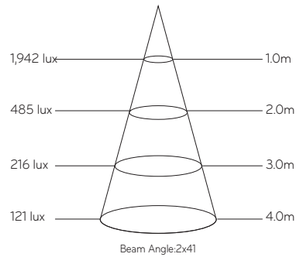
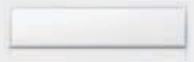
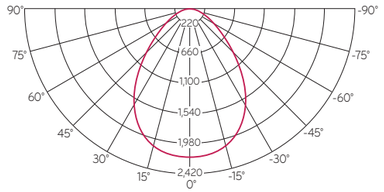
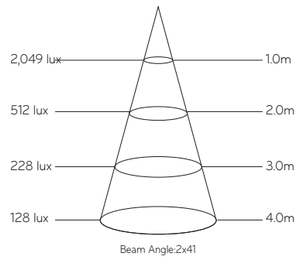
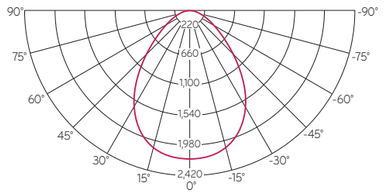
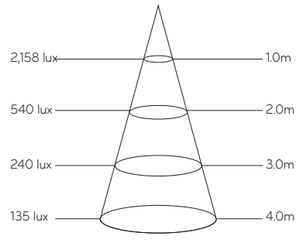
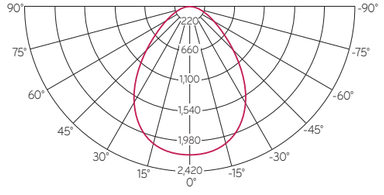
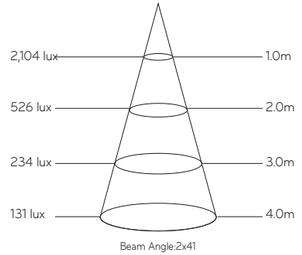
M-BAR



MODEL.NO		LF53173042B	LF53174042B	LF53175042B	LF53175742B
POWER	W	53	53	53	53
LUMINOUS FLUX	lm	3,600	3,800	4,000	3,900
CCT	K	3,000	4,000	5,000	5,700
CRI	Ra	80	80	80	80
UGR	-	19	19	19	19
BEAM ANGLE	°	82	82	82	82
DIMMING	-	O	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20	IP20
IK	-	IK07	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000	50,000
INSTALLATION	-	M-BAR	M-BAR	M-BAR	M-BAR
WEIGHT	kg	5	5	5	5
INPUT VOLTAGE	V/AC	110-240	110-240	110-240	110-240

*The specifications and certification may be subject to change without prior notice.

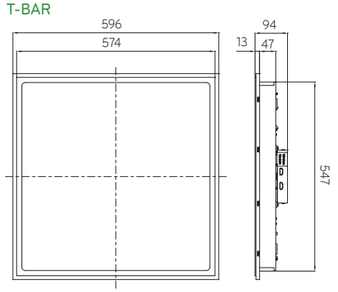
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
53W(M-BAR)		
 LF53173042B		 Beam Angle:2x41
 LF53174042B		 Beam Angle:2x41
LF53175042B		 Beam Angle:2x41
LF53175742B		 Beam Angle:2x41

LG LED FLAT LIGHT

60W
(600X600, T-BAR)

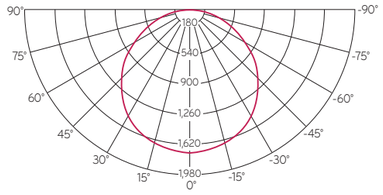
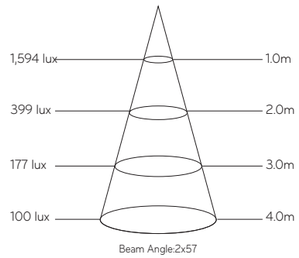
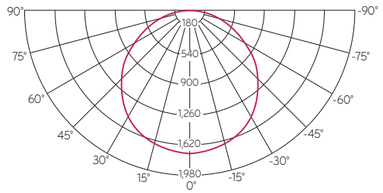
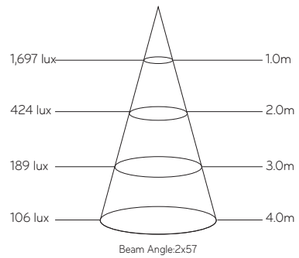
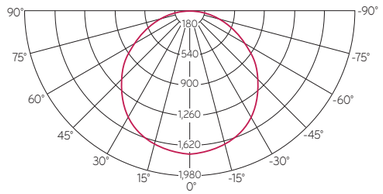
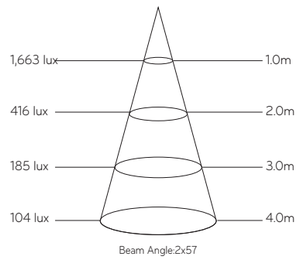
T-BAR



MODEL.NO		LF60074032B	LF60075032B	LF60075732B
POWER	W	60	60	60
LUMINOUS FLUX	lm	4,600	4,900	4,800
CCT	K	4,000	5,000	5,700
CRI	Ra	80	80	80
UGR	-	23	23	23
BEAM ANGLE	°	114	114	114
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20
IK	-	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000
INSTALLATION	-	T-BAR	T-BAR	T-BAR
WEIGHT	kg	5	5	5
INPUT VOLTAGE	V/AC	110-240	110-240	110-240

*The specifications and certification may be subject to change without prior notice.

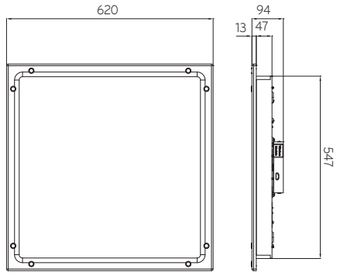
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
60W(T-BAR) LF60074032B		 Beam Angle:2x57
 LF60075032B		 Beam Angle:2x57
 LF60075732B		 Beam Angle:2x57

LG LED FLAT LIGHT

60W
(600X600, M-BAR)

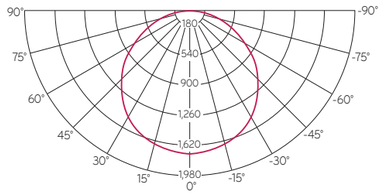
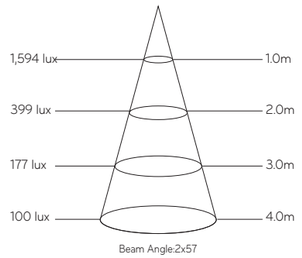
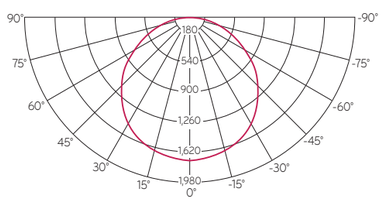
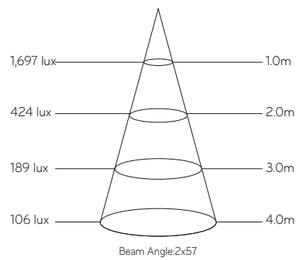
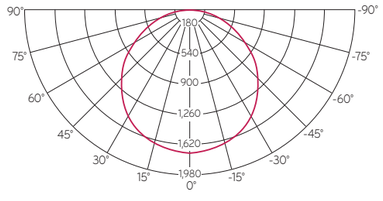
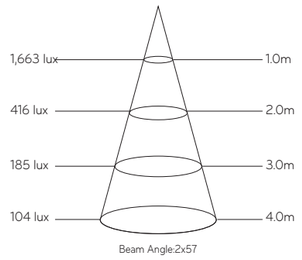
M-BAR



MODEL.NO		LF60174032B	LF60175032B	LF60175732B
POWER	W	60	60	60
LUMINOUS FLUX	lm	4,600	4,900	4,800
CCT	K	4,000	5,000	5,700
CRI	Ra	80	80	80
UGR	-	23	23	23
BEAM ANGLE	°	114	114	114
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20
IK	-	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000
INSTALLATION	-	M-BAR	M-BAR	M-BAR
WEIGHT	kg	5	5	5
INPUT VOLTAGE	V/AC	110-240	110-240	110-240

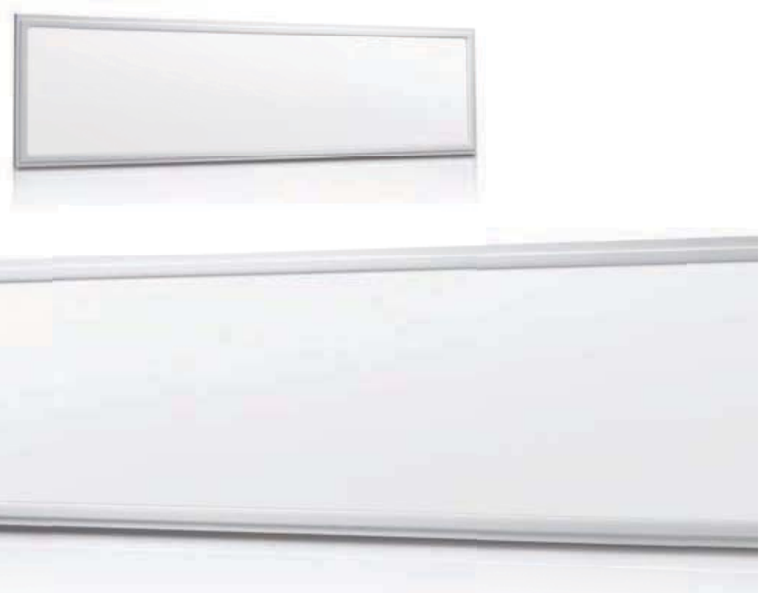
*The specifications and certification may be subject to change without prior notice.

PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
60W(M-BAR) LF60174032B		
 LF60175032B		
 LF60175732B		

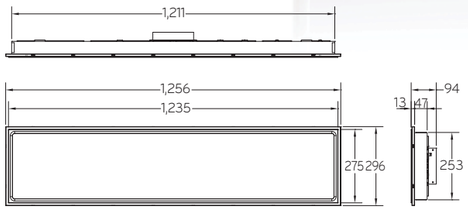
LG LED FLAT LIGHT

60W
(300X1200, T-BAR)



60W

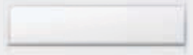
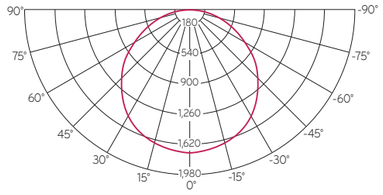
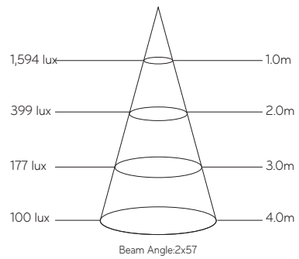
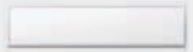
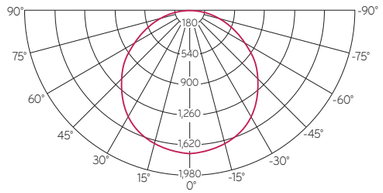
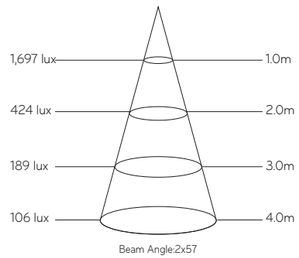
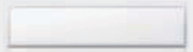
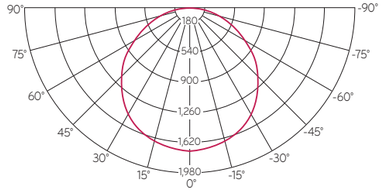
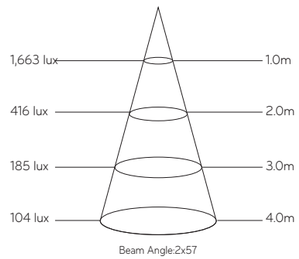
T-BAR



MODEL.NO		LF60074042B	LF60075042B	LF60075742B
POWER	W	60	60	60
LUMINOUS FLUX	lm	4,600	4,900	4,800
CCT	K	4,000	5,000	5,700
CRI	Ra	80	80	80
UGR	-	23	23	23
BEAM ANGLE	°	114	114	114
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20
IK	-	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000
INSTALLATION	-	T-BAR	T-BAR	T-BAR
WEIGHT	kg	5	5	5
INPUT VOLTAGE	V/AC	110-240	110-240	110-240

*The specifications and certification may be subject to change without prior notice.

PHOTOMETRIC DATA

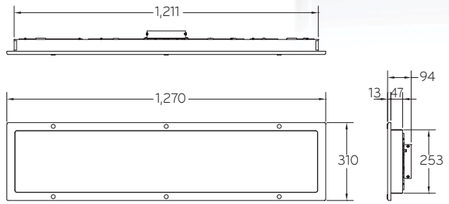
Product	Luminance Intensity Distribution	Cone Lux Diagram
60W(T-BAR)  LF60074042B		 Beam Angle:2x57
 LF60075042B		 Beam Angle:2x57
 LF60075742B		 Beam Angle:2x57

LG LED FLAT LIGHT

60W
(300X1200, M-BAR)

60W

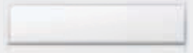
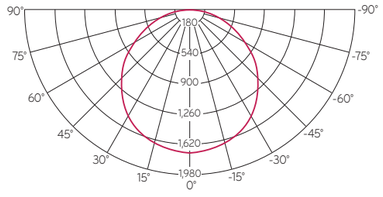
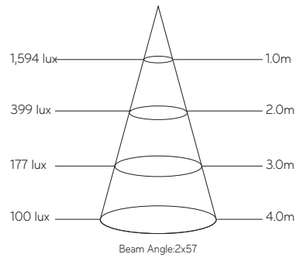
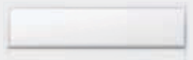
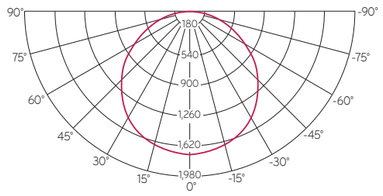
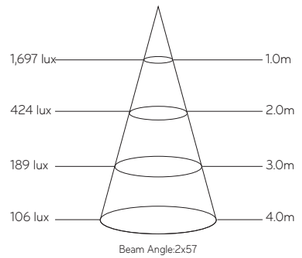
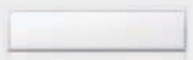
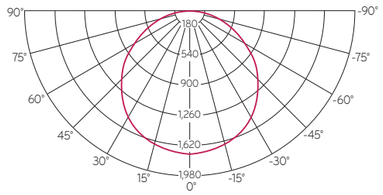
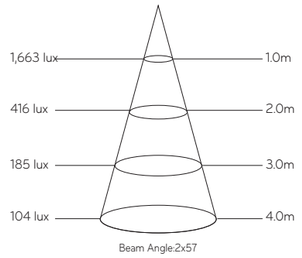
M-BAR



MODEL.NO		LF60174042B	LF60175042B	LF60175742B
POWER	W	60	60	60
LUMINOUS FLUX	lm	4,600	4,900	4,800
CCT	K	4,000	5,000	5,700
CRI	Ra	80	80	80
UGR	-	23	23	23
BEAM ANGLE	°	114	114	114
DIMMING	-	O	O	O
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
IP	-	IP20	IP20	IP20
IK	-	IK07	IK07	IK07
GLOW WIRE TEST	℃	750	750	750
LIFE TIME	hrs	50,000	50,000	50,000
INSTALLATION	-	M-BAR	M-BAR	M-BAR
WEIGHT	kg	5	5	5
INPUT VOLTAGE	V/AC	110-240	110-240	110-240

*The specifications and certification may be subject to change without prior notice.

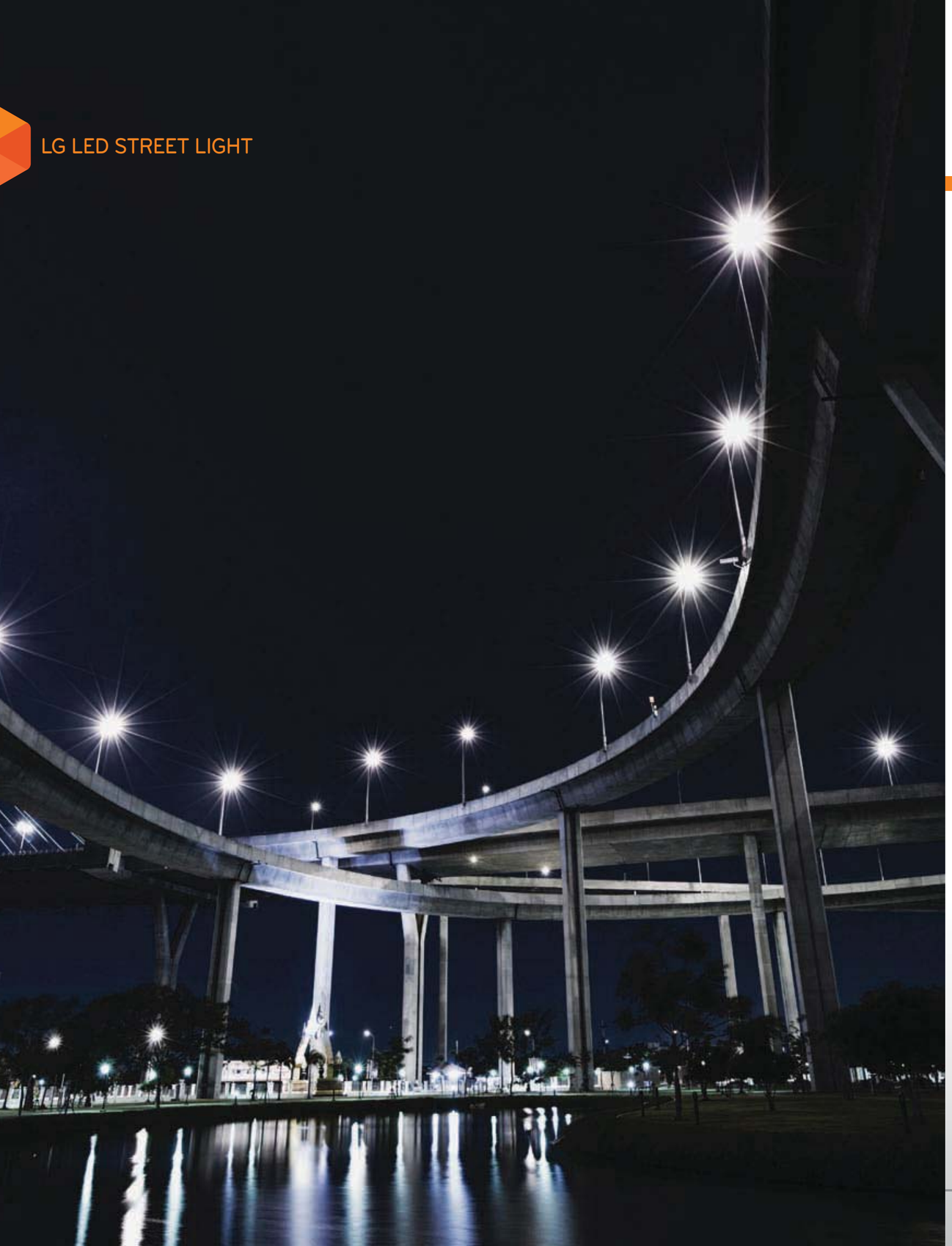
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
60W(M-BAR)  LF60174042B		 Beam Angle:2x57
 LF60175042B		 Beam Angle:2x57
 LF60175742B		 Beam Angle:2x57

INDUSTRIAL / OUTDOOR

072
LG LED STREET LIGHT
32W / 62W
90W / 150W / 210W

080
LG LED HIGH-BAY / FLOOD LIGHT
70W



LG LED STREET LIGHT

CUT-OFF

Ensuring drivers' and pedestrians' road safety by reducing light pollution such as blue sky phenomenon and light trespass.

CONVENTIONAL | LG LED STREET LIGHT

SMART MAINTENANCE

Simple repair and maintenance due to modulized design, reducing down time and maintainence cost.

COVER OPEN | MODULE REPLACEMENT | COVER CLOSE

SAFE INSTALLATION

Easy to handle and install with an optimized light weight design. Also, internal surge protector with 10kV resistance prevents damage from static electric spark such as lightning.

ENVIRONMENTALLY CONSCIOUS

Eco-friendly product containing no hazardous materials such as mercury and emitting low CO_2 emission.

Module-based LG LED STREET LIGHT is designed to install, maintain, and repair easier. Enjoy significant energy saving and better night sky view.

STREET LIGHT 32W

STREET LIGHT 62W

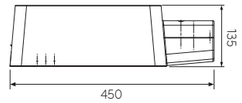
STREET LIGHT 90W

STREET LIGHT 150W/210W

LG LED STREET LIGHT

32W

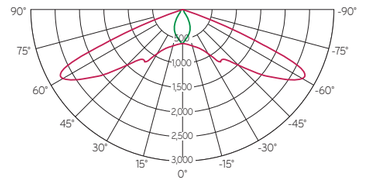
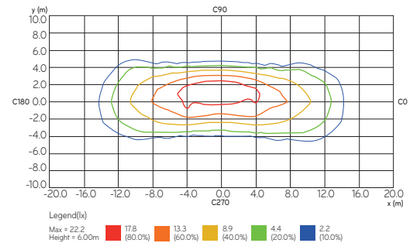
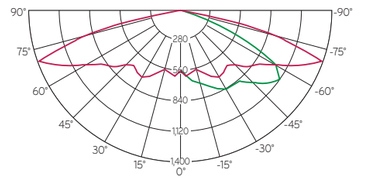
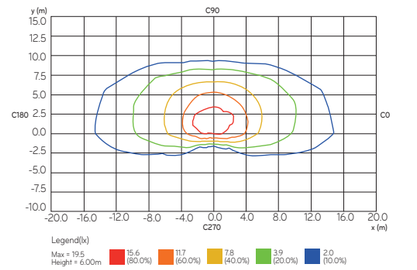
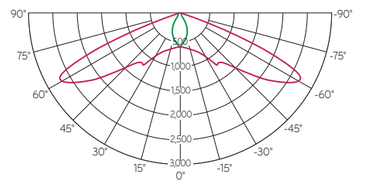
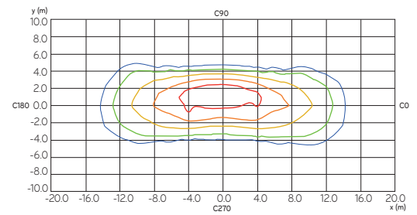
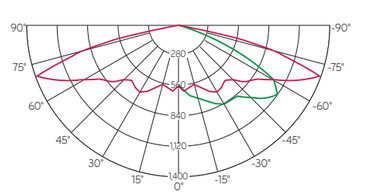
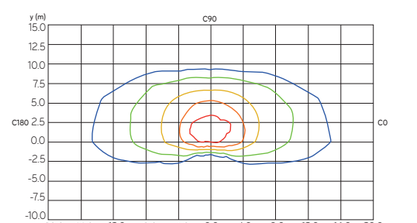
32W



MODEL.NO		LS3075ABFAA	LS3075BBFAA	LS3076ABFAA	LS3076BBFAA
POWER	W	32	32	32	32
INSTALLATION	-	Arm type	Arm type	Arm type	Arm type
CCT	K	5,000	5,000	5,700	5,700
LUMINOUS FLUX	lm	2,400	2,400	2,400	2,400
CRI	Ra	70	70	70	70
BEAM ANGLE	°	Type I	Type II	Type I	Type II
DIMMING	-	X	X	X	X
LIFE TIME	hrs	50,000	50,000	50,000	50,000
WEIGHT	kg	7.1	7.1	7.1	7.1
POWER FACTOR	-	≧0.9	≧0.9	≧0.9	≧0.9
OPERATING TEMPERATURE	℃	-20~+50	-20~+50	-20~+50	-20~+50
IP	-	IP65	IP65	IP65	IP65
INPUT VOLTAGE	V/AC	100-240	100-240	100-240	100-240

*The specifications and certification may be subject to change without prior notice.

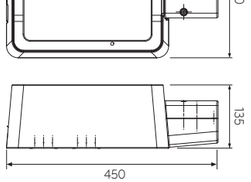
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Isolux Diagram
32W LS3075ABFAA		
 LS3075BBFAA		
 LS3076ABFAA		
 LS3076BBFAA		

LG LED STREET LIGHT

62W

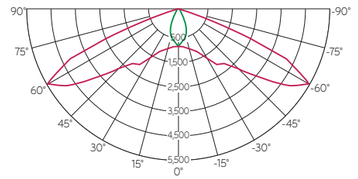
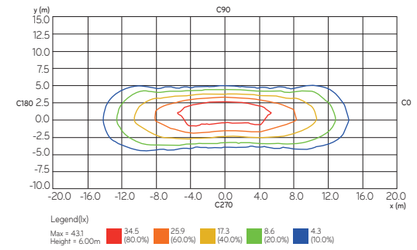
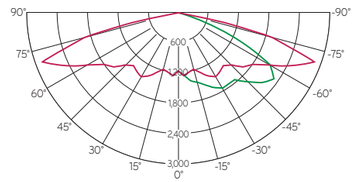
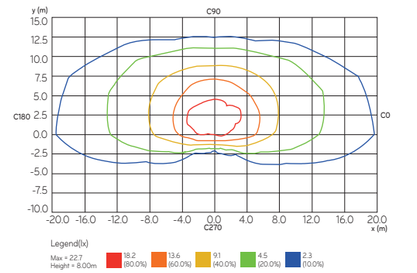
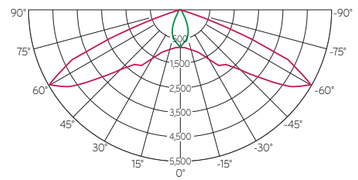
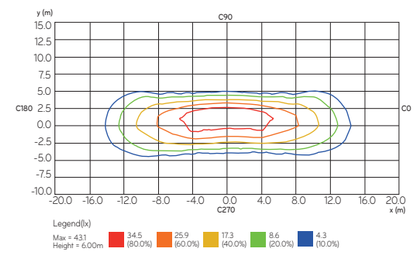
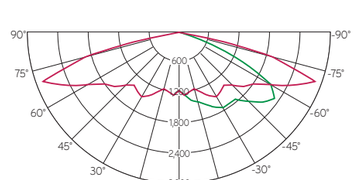
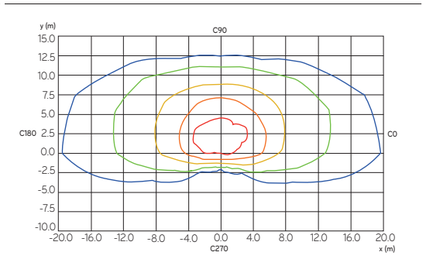
62W



MODEL.NO		LS6075ABFAA	LS6075BBFAA	LS6076ABFAA	LS6076BBFAA
POWER	W	62	62	62	62
INSTALLATION	-	Arm type	Arm type	Arm type	Arm type
CCT	K	5,000	5,000	5,700	5,700
LUMINOUS FLUX	lm	4,800	4,800	4,800	4,800
CRI	Ra	70	70	70	70
BEAM ANGLE	°	Type I	Type II	Type I	Type II
DIMMING	-	X	X	X	X
LIFE TIME	hrs	50,000	50,000	50,000	50,000
WEIGHT	kg	7.5	7.5	7.5	7.5
POWER FACTOR	-	≧0.9	≧0.9	≧0.9	≧0.9
OPERATING TEMPERATURE	℃	-20~+50	-20~+50	-20~+50	-20~+50
IP	-	IP65	IP65	IP65	IP65
INPUT VOLTAGE	V/AC	100-240	100-240	100-240	100-240

*The specifications and certification may be subject to change without prior notice.

PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Isolux Diagram
62W LS6075ABFAA		
 LS6075BBFAA		
 LS6076ABFAA		
 LS6076BBFAA		

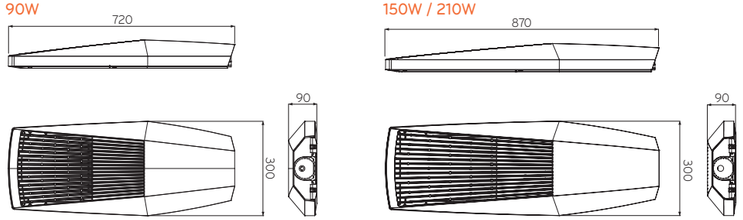
LG LED STREET LIGHT

90W
150W
210W

90W

150W / 210W

90W

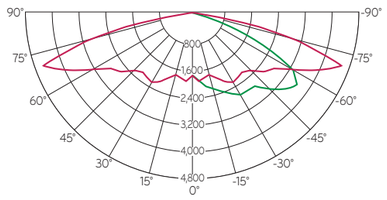
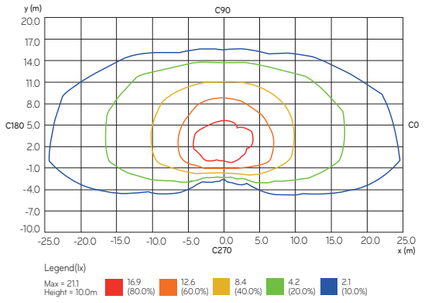
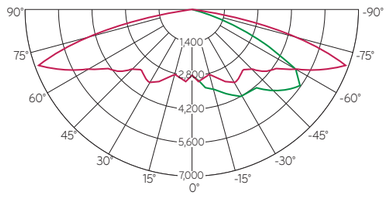
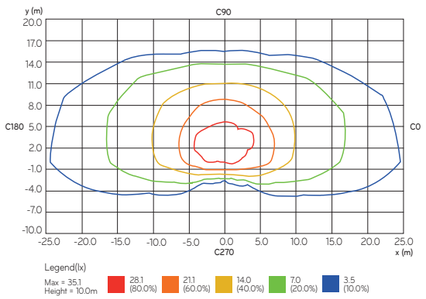
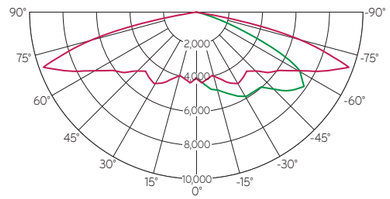
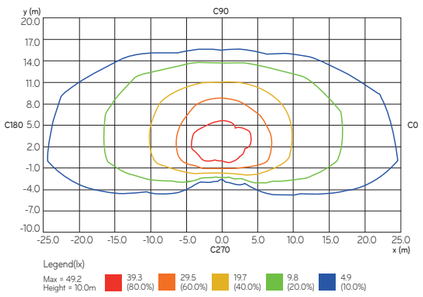


150W / 210W

MODEL.NO		LS9075BBHBA	LS1575BBHBA	LS2175BBHBA
POWER	W	90	150	210
INSTALLATION	-	Arm type	Arm type	Arm type
CCT	K	5,000	5,000	5,000
LUMINOUS FLUX	lm	7,200	12,000	16,800
CRI	Ra	75	75	75
BEAM ANGLE	°	Type II	Type II	Type II
DIMMING	-	X	X	X
LIFE TIME	hrs	50,000	50,000	50,000
WEIGHT	kg	10	12	12
POWER FACTOR	-	≧0.9	≧0.9	≧0.9
OPERATING TEMPERATURE	℃	-20~+50	-20~+50	-20~+50
IP	-	IP66	IP66	IP66
INPUT VOLTAGE	V/AC	120-277	120-277	120-277

*The specifications and certification may be subject to change without prior notice.

PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Isolux Diagram
90W LS9075BBHBA		
150W LS1575BBHBA		
210W LS2175BBHBA		

LG LED HIGH-BAY / FLOOD LIGHT

RELIABILITY

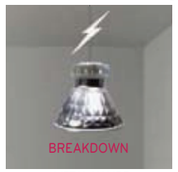
Built with reliability in mind, enjoy substantially longer life and reduced cost. High Ingress Protection(≥IP65) ensures great performance even in dusty and humid environments.

WET

DUSTY

SAFE INSTALLATION

Easy to handle and install with an optimized light weight design. Also, internal surge protector with 10kV resistance prevents damage from static electric spark such as lightning.



METAL HALIDE

LG LED HIGH-BAY

ENVIRONMENTALLY CONSCIOUS

Eco-friendly product containing no hazardous materials such as mercury and emitting low CO_2 emission.

Replace industry luminaires with LG LED HIGH-BAY which joins slim & sleek design with high performance.

HIGH-BAY 70W

FLOOD LIGHT 70W

INDUSTRIAL / OUTDOOR

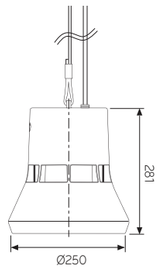
LG LED HIGH-BAY / FLOOD LIGHT

70W

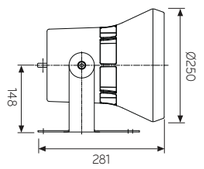
70W

70W

HIGH-BAY 70W



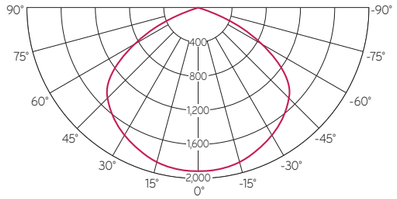
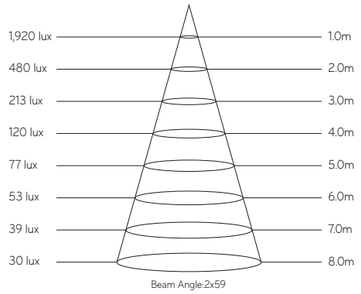
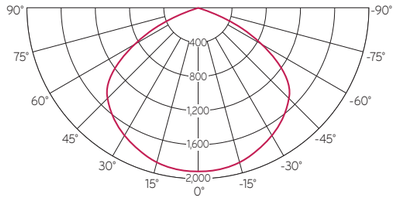
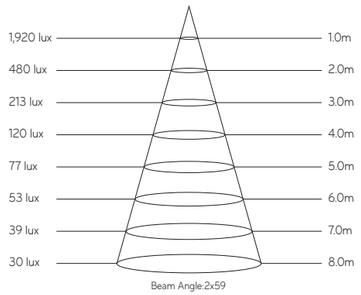
FLOOD LIGHT 70W



MODEL.NO		LH70765BFA0	LG70765BFA0
POWER	W	70	70
INSTALLATION	-	Pendant	Bracket
CCT	K	5,700	5,700
LUMINOUS FLUX	lm	5,250	5,250
CRI	Ra	70	70
BEAM ANGLE	°	120	120
DIMMING	-	X	X
LIFE TIME	hrs	50,000	50,000
WEIGHT	kg	5.7	5.7
POWER FACTOR	-	≧0.9	≧0.9
OPERATING TEMPERATURE	-	-20~+50	-20~+50
IP	-	IP65	IP65
INPUT VOLTAGE	V/AC	100-240	100-240

*LH70765BFA0 and LG70765BFA0 models are for indoor use only. *The specifications and certification may be subject to change without prior notice.

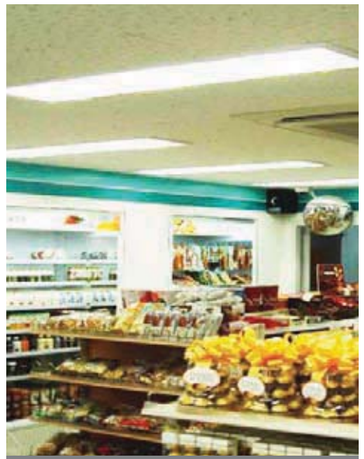
PHOTOMETRIC DATA

Product	Luminance Intensity Distribution	Cone Lux Diagram
70W LH70765BFA0		
 LG70765BFA0		

LG LED LIGHTING REFERENCE SITE

LG TWIN TOWER, SEOUL, KOREA
LED FLAT LIGHT / LED DOWNLIGHT
LED PAR30 LAMP

LG TWIN TOWER, SEOUL, KOREA
LED FLAT LIGHT



GS CONVENIENCE STORE, SEOUL, KOREA
LED FLAT LIGHT

INTERCREATIVE, KOREA
LED FLAT LIGHT
LED DOWNLIGHT

ELYSIAN RESORT, JEJU, KOREA
LED PAR30 LAMP
LED MR16 LAMP

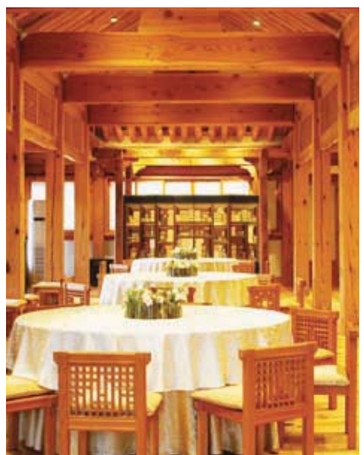
ELYSIAN RESORT, JEJU, KOREA
LED PAR30 LAMP
LED MR16 LAMP

LG LEARNING CENTER, PYEONGTAEK, KOREA
LED DOWNLIGHT

LG MOBILE SHOP, SEOUL, KOREA
LED DOWNLIGHT

LG MOBILE SHOP, SEOUL, KOREA
LED DOWNLIGHT

CAFE, SEOUL, KOREA
LED MR16 LAMP



KOREA FURNITURE MUSEUM, SEOUL, KOREA
LED PAR30 LAMP / LED BULB
LED MR16 LAMP

LG ELECTRONICS, SUWON, KOREA
LED FLAT LIGHT

LG LED LIGHTING CASE STUDY

BACKGROUND

LG Twin Tower, located in Yeoido, is the headquarter of LG Group that covers 14,733 m² of land and 157,835 m² of gross floor space. The two buildings have 3 underground levels and 34 ground levels with a seating capacity of over 10,000. Since the consturction in 1987, LG Twin Tower has required no repair work. However, the equipment installed throughout the buildings had become obsolete, while the maintenance costs and energy costs continued to grow. As a landmark of Seoul, LG started to renovate the building in June 2010, in order to enhance LG brand image and to improve the working conditions. Three main purposes of this renovation project were to bring about greater eco-friendliness for greater energy savings, to create a modern working environment and to provide a comfortable working space with new equipment. To achieve this, it required a significant improvement of the lighting system which accounts for 30% of energy consumption in large buildings. To provide an optimal environment, it must be environmentally friendly and compatible with the existing facilities allowing integrated control system. These are the reasons behind the selection of LG LED Lighting.

CHALLENGE

With fluorescent lights' high energy consumption, there was always a big burden on overall energy costs. Moreover, with the rising issue of energy cost regulation for big buildings, we needed a new solution. Fluorescent lights are short-lived, while they also require higher maintenance costs, as around 400 fluorescent lights have to be changed daily. Due to replacement, labor and disposal costs, the fluorescent light really was wasteful." (Pan-Sik Choi, senior research engineer of Serveone) The biggest problem before the renovation was the electricity cost of conventional lighting and the maintenance costs of deteriorated equipment. With two buildings each having 34 floors, the total number of fluorescent lights was over 50,000. Hundreds of fluorescent lights with a maximum life span of 8,000 hours need to be changed every day. As the government's regulation is becoming stricter, more effective energy saving solutions were desperately needed. Lighting with minimum power consumption was needed, as well as eco-friendliness and integrated control optimized for a high technology working environment.

SOLUTION

The scale of the project was unprecedented, as it installed the country's largest working space with LED lighting and control. Therefore, we needed a brand equipped with better quality and solutions that went beyond simple lighting service. "Perhaps replacing just lighting is not that difficult. But, the management system for controlling them was vital." (Min-Kwang Lee, senior research engineer of LGE) LG Electronics suggested the following three key factors for Twin Tower's renovation process.

EFFICIENCY : Effective energy saving technology

LG LED flat light, which replaced 80W conventional fluorescent lights, has a power consumption of 53W while bringing 20-30 percent in energy savings. In addition, with the daylight sensor and the dimming function, up to 80 percent of energy savings are possible. Illumination reduced by 50 percent can fully light up the working space, while the daylight sensor installed at each window can recognize outdoor daylights automatically and transmit a signal to help maintain optimal indoor illumination. Moreover, a lifespan of 50,000 hours can noticeably reduce the maintenance costs.

COMFORT : Optimal light for users

Another benefit of LG LED flat light is low UGR with less than 19. UGR level below 19 is optimal for the working space, providing workers with proper lighting for writing, reading and computer work. Conventional fluorescent lights have UGR levels between 22-23, which can cause stress for office workers who spend extensive time under the lights. Additionally, LG LED is eco-friendly and brings long-term health benefits, as it does not emit mercury, lead, ultraviolet rays or infrared rays.

RELIABILITY : Credibility and high quality

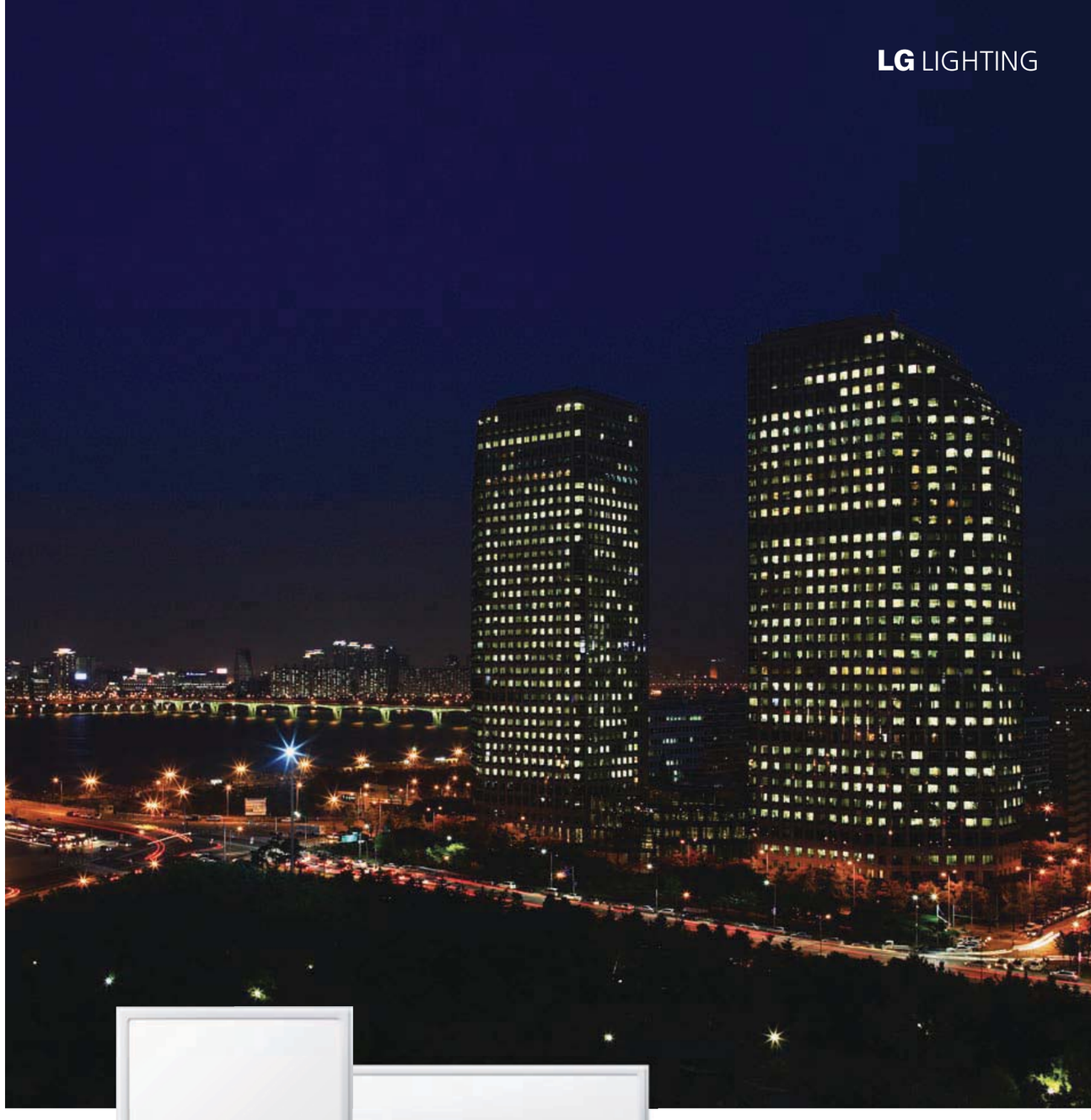
LG Twin Tower project has not only 17,000 LG LED flat lights (53W) replacing conventional fluorescent lights, but also 3,000 LED downlights (15W) and 2,000 LED PAR30 (12W) replacing conventional halogen lamps. Particularly, LED flat light is connected together with integrated control systems, making them more credible. "We tested the products on 7th and 33rd floors of the West Tower for two months. During the installation, communication, electricity and cabling were few of the many variables to be managed. So, we plan to have continuous testing and monitoring after the construction for further improvement." (Bong-Geun Jung, senior research engineer of LGE) LG LED Lighting was recognized both internally and externally. American certification company, Underwriters Laboratories(UL), designated LG Electronics R&D center as a UL-authorized testing lab in the green energy sector (e.g. solar, LED lighting). This means LG LED lighting can secure high levels of reliability.

BENEFIT

"Having a total solution technology with the general advantages of LED lighting is only possible with LG. Long lifespan, energy efficiency and control solution combine to save energy costs by up to KRW 10 million." (Pan-Su Choi, senior research engineer of Serveone) The most remarkable achievement after the LG LED lighting installation was energy savings. Twin Tower's power consumption in January greatly declined, recording 1,900,896kWh, reducing up to 310,000kWh compared to January 2010, which was before the renovation. Assuming the average monthly power consumption is 200kWh, Twin Tower's energy consumption is equivalent to 1,550 households each month. Electricity cost was KRW 190 million, enabling savings of KRW 10 million, compared to 2010.

"The best part of moving into the renovated building was the lighting. Compared to the complicated atmosphere with separated fluorescent lights and luminaires, I like the refined design that combines the lighting and ceiling in one. It's also not that glary as before. Each floor has controllable touch panels, so I can turn them on, when I'm working overtime. Besides, I feel much relieved that it contains no pernicious ingredients." (Sang-Woo Lim, LG International)

This project proved the reliability and high energy efficiency of LG LED lighting products, as well as its ability to provide an optimal environment for the users. In short, LG LED lighting is expected to be widely recognized.



The very best lighting solution optimized for
eco-friendly smart buildings, LG LED Lighting